

Year 3 Term 4 Homework

Student Name: _____	Grade: _____
Date: _____	Score: _____

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2 Year 3 Term 4 Week 2 Homework

2.1 Topic 1 — Fraction

2.1.1 Simplifying Fractions 2

$$\textcircled{1} \frac{40}{70} = \underline{\hspace{2cm}} \quad \textcircled{2} \frac{84}{35} = \underline{\hspace{2cm}} \quad \textcircled{3} \frac{15}{5} = \underline{\hspace{2cm}}$$

$$\textcircled{4} \frac{36}{6} = \underline{\hspace{2cm}} \quad \textcircled{5} \frac{16}{4} = \underline{\hspace{2cm}} \quad \textcircled{6} \frac{20}{5} = \underline{\hspace{2cm}}$$

$$\textcircled{7} \frac{18}{81} = \underline{\hspace{2cm}} \quad \textcircled{8} \frac{62}{22} = \underline{\hspace{2cm}} \quad \textcircled{9} \frac{8}{8} = \underline{\hspace{2cm}}$$

$$\textcircled{10} \frac{30}{110} = \underline{\hspace{2cm}} \quad \textcircled{11} \frac{6}{3} = \underline{\hspace{2cm}} \quad \textcircled{12} \frac{20}{24} = \underline{\hspace{2cm}}$$

$$\textcircled{13} \frac{16}{8} = \underline{\hspace{2cm}} \quad \textcircled{14} \frac{18}{6} = \underline{\hspace{2cm}} \quad \textcircled{15} \frac{63}{9} = \underline{\hspace{2cm}}$$

$$\textcircled{16} \frac{5}{10} = \underline{\hspace{2cm}} \quad \textcircled{17} \frac{70}{30} = \underline{\hspace{2cm}} \quad \textcircled{18} \frac{32}{48} = \underline{\hspace{2cm}}$$

Score: _____

2.1.2 Equivalent Fractions 2

$$\textcircled{1} \frac{10}{13} = \frac{70}{117} = \frac{40}{\quad}$$

$$\textcircled{2} \frac{4}{6} = \frac{20}{60} = \frac{20}{\quad} = \frac{90}{48}$$

$$\textcircled{3} \frac{2}{7} = \frac{35}{\quad} = \frac{4}{42}$$

$$\textcircled{4} \frac{10}{12} = \frac{80}{\quad} = \frac{36}{\quad} = \frac{90}{\quad}$$

$$\textcircled{5} \frac{5}{13} = \frac{91}{\quad} = \frac{10}{39}$$

$$\textcircled{6} \frac{1}{3} = \frac{18}{\quad} = \frac{8}{30}$$

$$\textcircled{7} \frac{6}{11} = \frac{36}{\quad} = \frac{33}{\quad} = \frac{60}{\quad}$$

$$\textcircled{8} \frac{6}{13} = \frac{18}{\quad} = \frac{104}{\quad} = \frac{36}{\quad}$$

$$\textcircled{9} \frac{2}{5} = \frac{40}{\quad} = \frac{14}{20}$$

$$\textcircled{10} \frac{4}{5} = \frac{32}{\quad} = \frac{20}{\quad} = \frac{12}{\quad}$$

$$\textcircled{11} \frac{3}{8} = \frac{24}{\quad} = \frac{21}{72}$$

$$\textcircled{12} \frac{1}{2} = \frac{3}{\quad} = \frac{18}{\quad} = \frac{8}{\quad}$$

$$\textcircled{13} \frac{1}{6} = \frac{2}{\quad} = \frac{24}{\quad} = \frac{9}{\quad}$$

$$\textcircled{14} \frac{1}{12} = \frac{36}{\quad} = \frac{10}{\quad} = \frac{96}{\quad}$$

$$\textcircled{15} \frac{7}{9} = \frac{90}{\quad} = \frac{14}{54}$$

$$\textcircled{16} \frac{2}{4} = \frac{6}{\quad} = \frac{16}{\quad} = \frac{20}{\quad}$$

2.1.3 Adding Fractions 2

$$\textcircled{1} \quad \frac{4}{6} + \frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad 1\frac{2}{6} + 1\frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{1}{2} + 1\frac{5}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{3}{5} + \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{1}{3} + 1\frac{2}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad 1\frac{5}{6} + \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{2}{4} + \frac{2}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{3}{4} + \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad 1\frac{1}{6} + \frac{4}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad 1\frac{2}{3} + 1\frac{1}{6} = \underline{\hspace{10cm}}$$

Score: _____

2.1.4 Subtracting Fractions 2

$$\textcircled{1} \quad \frac{2}{7} - \frac{2}{8} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{6}{7} - \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{3}{4} - \frac{5}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{5}{6} - \frac{2}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{4}{6} - \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{1}{2} - \frac{1}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{2}{3} - \frac{1}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{2}{4} - \frac{2}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{7}{8} - \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{4}{8} - \frac{4}{9} = \underline{\hspace{10cm}}$$

Score:

2.1.5 Multiplying Fractions 2

$$\textcircled{1} \quad \frac{1}{2} \times \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{3}{6} \times \frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{1}{3} \times \frac{1}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{1}{6} \times \frac{5}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{2}{3} \times \frac{3}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{3}{5} \times \frac{6}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{1}{4} \times \frac{1}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{5}{7} \times \frac{2}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{4}{6} \times \frac{4}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{2}{4} \times \frac{1}{3} = \underline{\hspace{10cm}}$$

Score: _____

2.1.6 Dividing Fractions 2

$$\textcircled{1} \quad \frac{3}{6} \div \frac{1}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{2}{3} \div \frac{1}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{3}{5} \div \frac{2}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{4} \quad \frac{4}{7} \div \frac{2}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{5} \quad \frac{1}{2} \div \frac{4}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{6} \quad \frac{3}{4} \div \frac{1}{2} = \underline{\hspace{10cm}}$$

$$\textcircled{7} \quad \frac{6}{7} \div \frac{2}{7} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{1}{7} \div \frac{3}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{4}{5} \div \frac{3}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{10} \quad \frac{1}{5} \div \frac{1}{6} = \underline{\hspace{10cm}}$$

Score: _____

2.2 Topic 2 — Algebra**2.2.1 Number Problem 2**

- ① _____ One-fourth of a number diminished by 4 is 0. Find the number.
- ② _____ One number is four times another. Their sum is 35. Find the numbers.
- ③ _____ One-half of a number increased by 3 is 9. What is the number?
- ④ _____ The quotient of a number and four increased by 8 is 13. What is the number?
- ⑤ _____ Nine is equal to the quotient of a number and 6. Find the number.
- ⑥ _____ Two less than a number is 9. Find the number.
- ⑦ _____ The sum of a number and five is 8. Find the number.
- ⑧ _____ Seven times a number increased by 11 is 25. Find the number.
- ⑨ _____ Three times a number is 6. What is the number?
- ⑩ _____ Four more than a number is 15. What is the number?

Score: _____

2.2.2 Equations 2

① $4y + 8 = 36$ _____

② $3x + 8 = 14$ _____

③ $x - 3 = 5$ _____

④ $z - 9 = -1$ _____

⑤ $y + 3 = 12$ _____

⑥ $x + 3 = 11$ _____

⑦ $2 + 9z = 47$ _____

⑧ $8z - 6 = 50$ _____

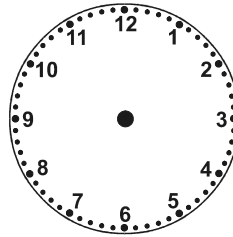
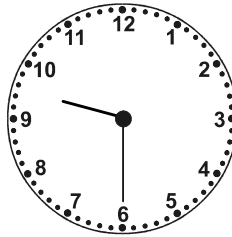
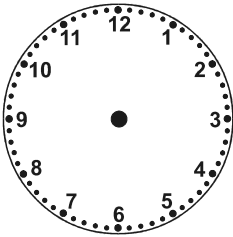
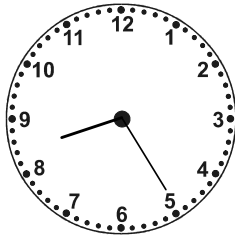
⑨ $7x + 4 = 25$ _____

⑩ $x + 9 = 13$ _____

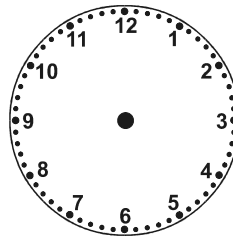
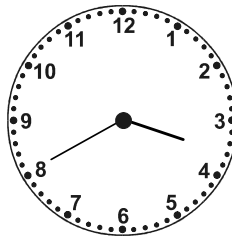
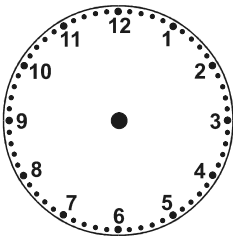
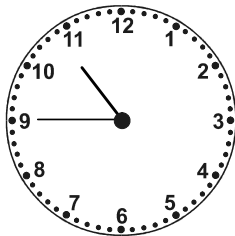
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2.3 Topic 3 — Time Passages

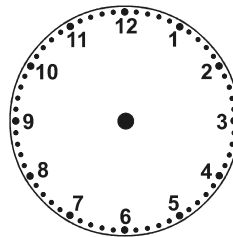
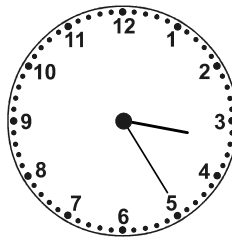
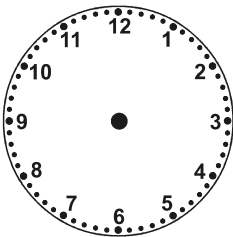
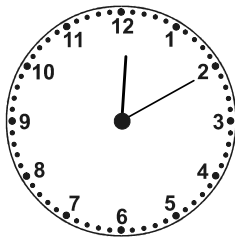
2.3.1 Time Passages 2



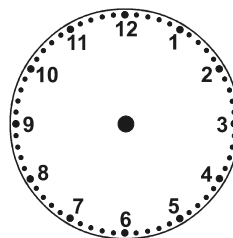
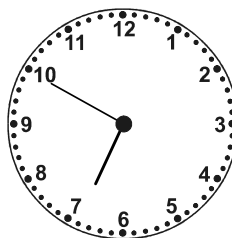
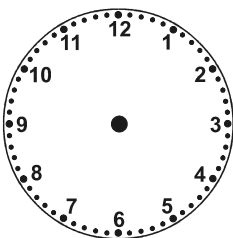
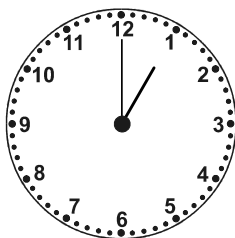
① What time will it be in 1 hr 35 min ? ② What time was it 2 hr 45 min ago?



③ What time was it 3 hr 35 min ago? ④ What time will it be in 4 hr 25 min ?



⑤ What time will it be in 1 hr 40 min ? ⑥ What time was it 4 hr 35 min ago?



⑦ What time will it be in 1 hr 5 min ? ⑧ What time was it 4 hr 50 min ago?

Score: _____

2.4 Topic 4 — Number Patterns**2.4.1 Number Pattern 2**

① 10, 12, 14, 17, 19, 23, 25, ___ , ___

② 46, 53, 59, 64, 68, 71, 73, ___ , ___

③ 8, 14, 22, 32, 44, 58, 74, ___ , ___

④ 17, 21, 27, 35, 45, 57, 71, ___ , ___

⑤ 59, 53, 55, 48, 50, 42, 44, ___ , ___

⑥ 91, 86, 83, 77, 74, 67, 64, ___ , ___

⑦ 40, 36, 37, 32, 33, 27, 28, ___ , ___

⑧ 94, 93, 90, 85, 78, 69, 58, ___ , ___

⑨ 95, 93, 89, 83, 75, 65, 53, ___ , ___

⑩ 39, 48, 56, 63, 69, 74, 78, ___ , ___

Score:

2.5 Topic 5 — Measurements

1. Write the following lengths in centimetres:

(a) 4 m 75 cm = _____

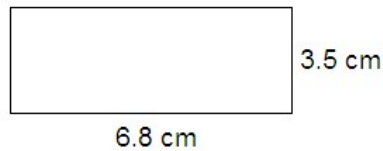
(b) 1 m 8 cm = _____

(c) 12 m 26 cm = _____

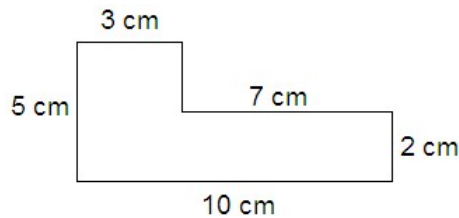
(d) $1\frac{3}{4}$ m = _____

2. Find the perimeter of these shapes:

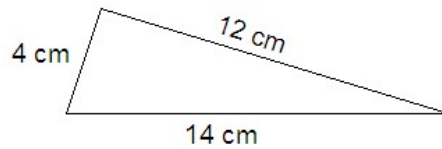
(a) P = _____



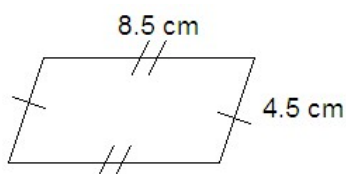
(b) P = _____



(c) P = _____

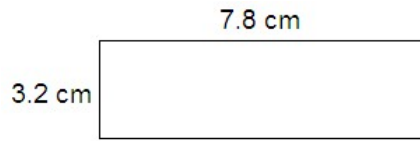


(d) P = _____

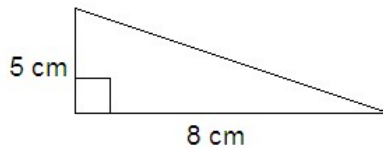


3. Find the area of the following shapes:

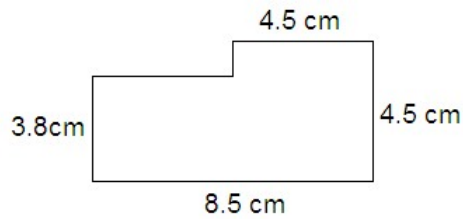
(a) Area = _____



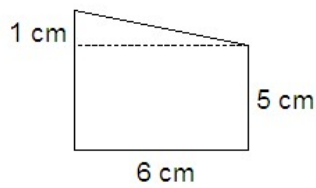
(b) Area = _____



(c) Area = _____



(d) Area = _____



4. Write the litres in decimal form:

(a) 1 L 250 mL = _____

(b) 3 L 850 mL = _____

(c) 5 L 50 mL = _____

(d) 750 mL = _____

(e) $\frac{1}{4}$ L = _____

2.6 Quiz 2

1. $12\text{ L} + 15\text{ L} + 500\text{ mL} =$ _____

2. $1.5\text{ L} - 250\text{ mL} =$ _____

3. One glass holds 320 mL and another holds 280 mL. How many more millilitres does the larger glass hold?

4. James is given a 150 mL bottle of medicine. He has to take 5 mL of medicine three times a day. How long will the bottle of medicine last?

5. How many times would you need to use a 160 mL scoop to fill a 4 L ice cream container?

6. What is the perimeter of a regular pentagon with sides of 12 cm?

7. One metre of ribbon costs \$2.60. What is the cost of 25 cm?

8. How many 15 cm lengths of rope can be cut from a length of $2\frac{1}{4}$ metres?

9. The train that was due at quarter to 4 was 15 minutes late. What time did it arrive?

10. Addison ran 200 m, jogged 150 m and then walked 100 m. How much further must he travel to cover $\frac{3}{4}$ km?

11. A rectangle has a perimeter of 48 cm. If one side of the rectangle is 10 cm long, how long are the other 3 sides?

12. How many minutes from half past 3 to 5 o'clock?

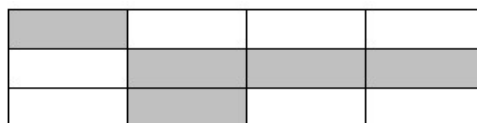
13. How many minutes are there from quarter past 3 to half past 6? _____

14. How many seconds are there in $3\frac{1}{2}$ minutes? _____

15. How many minutes are there in $2\frac{1}{4}$ hours? _____

16. How many hours are there in $4\frac{1}{3}$ days? _____

17. For the figure shown below, if each small rectangle is 1 cm wide and 3 cm long:

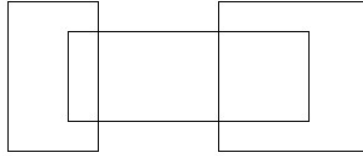


(a) What fraction of this rectangle is shaded? _____

(b) What is the perimeter of the big rectangle? _____

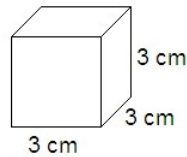
(c) What is the total shaded area in cm^2 ? _____

18. How many quadrilaterals are there in this figure?



- (A) 3 (B) 5 (C) 6 (D) 8

19. This is a cube with sizes of 3 cm. What is the total length of all the edges?



- (A) 16 cm (B) 18 cm (C) 24 cm (D) 36 cm

20. $\frac{1}{4}$ of \$120 is _____

- (A) \$12 (B) \$40 (C) \$30 (D) \$20

21. What is the sum of the even numbers in these numbers 18, 19, 20, 21, 22, and 23?

- (A) 50 (B) 60 (C) 65 (D) 66

22. Which number would best replace the \square in this number pattern? 105, 95, \square , 78, 71, 65

- (A) 85 (B) 82 (C) 86 (D) 89

23. Which calculation will give the next number in this number pattern? 10, 14, 20, 28,

- (A) $12 + 16$ (B) $18 + 20$ (C) $46 - 12$ (D) $16 + 18$

24. This is the time on a digital watch. \square 4:22 What is the time on an analogue watch?

- (A) 22 minutes to 4 (B) 4 minutes to 22 (C) 4 minutes past 22 (D) 22 minutes past 4

25. What is chance of getting an odd number when rolling a die?

- (A) 1 chance in 2 (B) 1 chance in 3 (C) 1 chance in 6 (D) 3 chance in 3

26. In the class 3/L there are twenty-seven students. How many girls are there in the class if there are three more boys than girls?

- (A) 12 (B) 13 (C) 14 (D) 15