Year 3 Term 4 Homework

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

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This edition was printed on February 15, 2017.

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1 Year 3 Term 4 Week 1 Homework

1.1 Topic 1 — Fraction

1.1.1 Simplifying Fractions 1

① $\frac{9}{27} =$ _____ ② $\frac{15}{33} =$ _____ ③ $\frac{60}{48} =$ _____

④ $\frac{160}{64} =$ _____ ⑤ $\frac{24}{40} =$ _____ ⑥ $\frac{21}{28} =$ _____

⑦ $\frac{84}{30} =$ _____ ⑧ $\frac{8}{20} =$ _____ ⑨ $\frac{16}{24} =$ _____

⑩ $\frac{99}{54} =$ _____ ⑪ $\frac{84}{32} =$ _____ ⑫ $\frac{92}{44} =$ _____

⑬ $\frac{6}{12} =$ _____ ⑭ $\frac{8}{56} =$ _____ ⑮ $\frac{15}{55} =$ _____

⑯ $\frac{5}{10} =$ _____ ⑰ $\frac{56}{24} =$ _____ ⑱ $\frac{16}{32} =$ _____

Score:

1.1.2 Equivalent Fractions 1

① $\frac{4}{6} = \frac{\quad}{54} = \frac{24}{\quad} = \frac{\quad}{60}$

② $\frac{5}{6} = \frac{20}{\quad} = \frac{\quad}{12} = \frac{50}{\quad}$

③ $\frac{4}{9} = \frac{\quad}{45} = \frac{24}{\quad} = \frac{\quad}{27}$

④ $\frac{1}{3} = \frac{\quad}{24} = \frac{4}{\quad} = \frac{\quad}{6}$

⑤ $\frac{3}{7} = \frac{\quad}{14} = \frac{12}{\quad} = \frac{\quad}{56}$

⑥ $\frac{1}{6} = \frac{\quad}{24} = \frac{7}{\quad} = \frac{\quad}{12}$

⑦ $\frac{4}{5} = \frac{36}{\quad} = \frac{\quad}{10} = \frac{28}{\quad}$

⑧ $\frac{2}{5} = \frac{8}{\quad} = \frac{\quad}{45} = \frac{20}{\quad}$

⑨ $\frac{3}{4} = \frac{21}{\quad} = \frac{\quad}{8} = \frac{15}{\quad}$

⑩ $\frac{10}{11} = \frac{100}{\quad} = \frac{\quad}{55} = \frac{60}{\quad}$

⑪ $\frac{4}{12} = \frac{\quad}{120} = \frac{8}{\quad} = \frac{\quad}{72}$

⑫ $\frac{3}{5} = \frac{\quad}{20} = \frac{6}{\quad} = \frac{\quad}{40}$

⑬ $\frac{3}{9} = \frac{\quad}{27} = \frac{30}{\quad} = \frac{\quad}{18}$

⑭ $\frac{2}{3} = \frac{12}{\quad} = \frac{\quad}{27} = \frac{14}{\quad}$

⑮ $\frac{5}{9} = \frac{\quad}{36} = \frac{50}{\quad} = \frac{\quad}{45}$

⑯ $\frac{2}{7} = \frac{14}{\quad} = \frac{\quad}{56} = \frac{18}{\quad}$

1.1.3 Adding Fractions 1

① $\frac{3}{4} + \frac{4}{5} =$ _____

② $\frac{2}{3} + \frac{1}{2} =$ _____

③ $\frac{1}{2} + \frac{4}{6} =$ _____

④ $\frac{1}{3} + \frac{2}{5} =$ _____

⑤ $\frac{3}{6} + \frac{2}{4} =$ _____

⑥ $\frac{4}{6} + \frac{1}{4} =$ _____

⑦ $\frac{1}{4} + \frac{5}{6} =$ _____

⑧ $\frac{4}{5} + \frac{1}{6} =$ _____

⑨ $\frac{2}{4} + \frac{3}{4} =$ _____

⑩ $\frac{2}{5} + \frac{1}{3} =$ _____

Score:

1.1.4 Subtracting Fractions 1

① $\frac{4}{6} - \frac{1}{6} =$ _____

② $1\frac{5}{6} - 1\frac{1}{6} =$ _____

③ $3\frac{2}{8} - 1\frac{3}{8} =$ _____

④ $2\frac{2}{4} - 2\frac{1}{4} =$ _____

⑤ $\frac{2}{4} - \frac{1}{4} =$ _____

⑥ $\frac{3}{8} - \frac{2}{8} =$ _____

⑦ $\frac{5}{8} - \frac{2}{8} =$ _____

⑧ $\frac{3}{7} - \frac{1}{7} =$ _____

⑨ $1\frac{3}{5} - 1\frac{2}{5} =$ _____

⑩ $2\frac{1}{3} - 1\frac{2}{3} =$ _____

_____

Score:

1.1.5 Multiplying Fractions 1

① $\frac{1}{4} \times \frac{2}{3} =$ _____

② $\frac{1}{2} \times \frac{1}{2} =$ _____

③ $\frac{1}{3} \times \frac{4}{5} =$ _____

④ $\frac{3}{4} \times \frac{2}{4} =$ _____

⑤ $\frac{2}{3} \times \frac{2}{6} =$ _____

⑥ $\frac{2}{4} \times \frac{1}{6} =$ _____

⑦ $\frac{3}{5} \times \frac{1}{3} =$ _____

⑧ $\frac{5}{6} \times \frac{4}{6} =$ _____

⑨ $\frac{2}{6} \times \frac{3}{5} =$ _____

⑩ $\frac{2}{5} \times \frac{2}{5} =$ _____

_____

Score:

1.1.6 Dividing Fractions 1

① $\frac{1}{3} \div \frac{1}{6} =$ _____

② $\frac{2}{5} \div \frac{2}{3} =$ _____

③ $\frac{1}{2} \div \frac{1}{4} =$ _____

④ $\frac{1}{4} \div \frac{2}{5} =$ _____

⑤ $\frac{2}{6} \div \frac{1}{5} =$ _____

⑥ $\frac{4}{5} \div \frac{3}{4} =$ _____

⑦ $\frac{3}{6} \div \frac{2}{6} =$ _____

⑧ $\frac{3}{4} \div \frac{1}{2} =$ _____

⑨ $\frac{1}{5} \div \frac{1}{3} =$ _____

⑩ $\frac{5}{6} \div \frac{3}{6} =$ _____

_____

Score:

1.2 Topic 2 — Algebra

1.2.1 Number Problem 1

① _____ Four-fifths of a number decreased by 3 is 9. Find the number.

② _____ The product of two and a number is 8. What is the number?

③ _____ A number increased by four is 10. Find the number.

④ _____ Three-fifths of a number increased by 4 is 10. What is the number?

⑤ _____ The difference of a number and ten is equal to 6. What is the number?

⑥ _____ Three times a number is 6. What is the number?

⑦ _____ Twice a number decreased by 4 is 2. Find the number.

⑧ _____ Seven times a number increased by 8 is 92. Find the number.

⑨ _____ Five less than a number is 5. Find the number.

⑩ _____ Five more than a number is 15. What is the number?

Score:

1.2.2 Equations 1

① $x - 3 = -1$ _____

② $x - 3 = 6$ _____

③ $z + 5 = 9$ _____

④ $x - 4 = 3$ _____

⑤ $z - 2 = 3$ _____

⑥ $z - 4 = -2$ _____

⑦ $7z - 8 = 13$ _____

⑧ $z + 7 = 12$ _____

⑨ $8z - 2 = 54$ _____

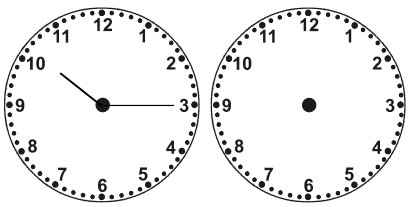
⑩ $2y + 5 = 23$ _____

_____

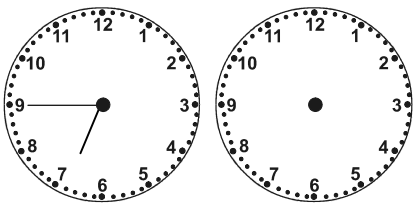
Score:

1.3 Topic 3 — Time Passages

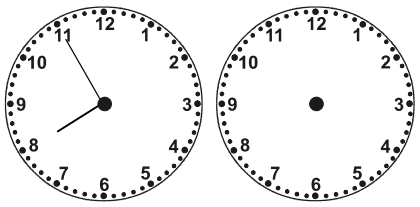
1.3.1 Time Passages 1



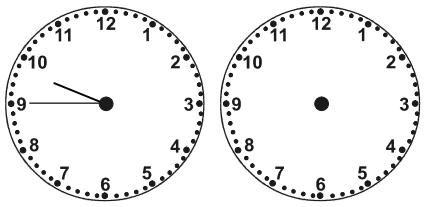
① What time will it be in 2 hr 20 min ?



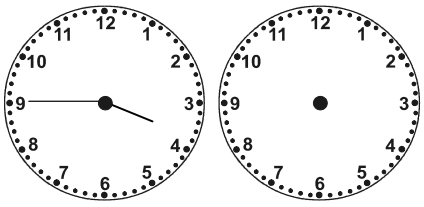
② What time was it 3 hr 20 min ago?



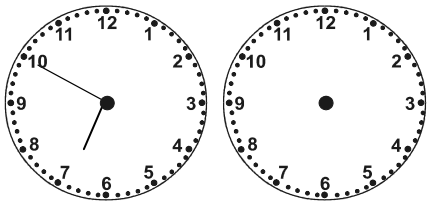
③ What time was it 4 hr 35 min ago?



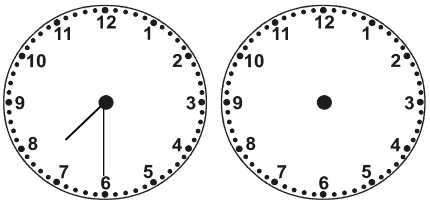
④ What time will it be in 1 hr 45 min ?



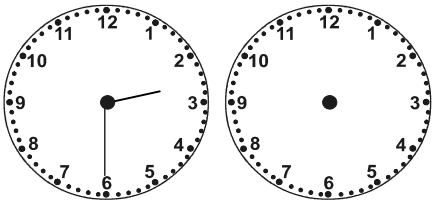
⑤ What time was it 2 hr 15 min ago?



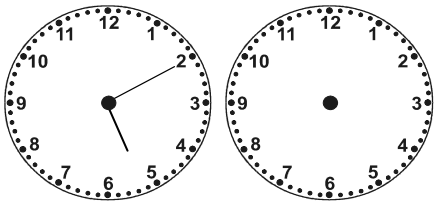
⑥ What time was it 4 hr 25 min ago?



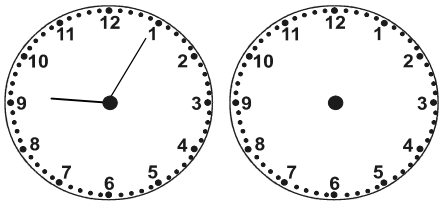
⑦ What time was it 3 hr 15 min ago?



⑧ What time will it be in 3 hr 5 min ?



⑨ What time was it 1 hr 35 min ago?



⑩ What time will it be in 3 hr 40 min ?

Score:

1.4 Topic 4 — Number Patterns

1.4.1 Number Pattern 1

① 95, 93, 89, 83, 75, 65, 53, __ , __

② 7, 14, 11, 22, 19, 38, 35, __ , __

③ 81, 77, 81, 76, 80, 74, 78, __ , __

④ 35, 43, 47, 56, 60, 70, 74, __ , __

⑤ 6, 13, 19, 24, 28, 31, 33, __ , __

⑥ 28, 30, 33, 37, 42, 48, 55, __ , __

⑦ 78, 76, 77, 74, 75, 71, 72, __ , __

⑧ 95, 92, 87, 80, 71, 60, 47, __ , __

⑨ 62, 59, 57, 53, 51, 46, 44, __ , __

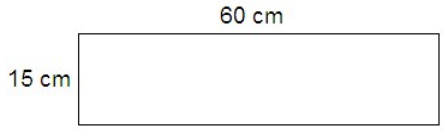
⑩ 94, 91, 86, 79, 70, 59, 46, __ , __

Score:

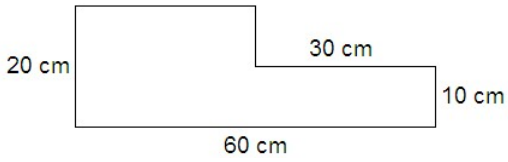
1.5 Topic 5 — Measurements

Exercise 1.5.1 Calculate the perimeters and areas of the following figures (in cm and cm^2):

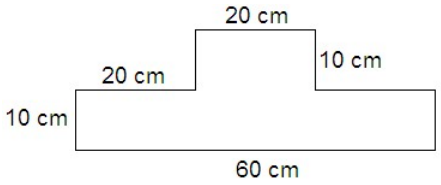
1. $P =$ _____ , $A =$ _____



2. $P =$ _____ , $A =$ _____

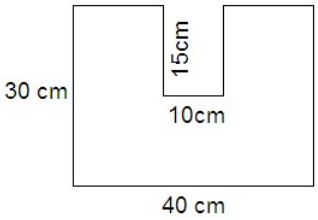


3. $P =$ _____ , $A =$ _____

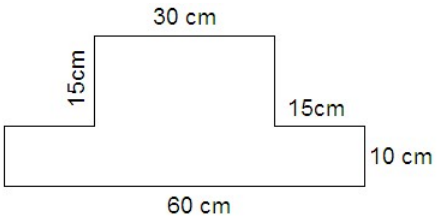


Exercise 1.5.2 Calculate the perimeters and areas of the following figures (in cm and cm^2):

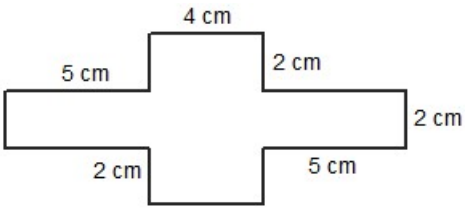
1. $P =$ _____ , $A =$ _____



2. $P =$ _____ , $A =$ _____



3. $P =$ _____ , $A =$ _____



1.6 Quiz 1

1. How many cm are there in 5.5 m? _____

2. How many mm are there in 2.5 m? _____

3. How many km are there in 750 m? _____

4. 2 kg oranges cost $2.50. How much does it cost for one kilogram?

   _____

5. What mass must be added to $5\frac{1}{2}$ kg to make 10 kg 500 g?

   _____

6. How many times would you use a 150 ml scoop to fill a 3 L container?

   _____

7. How many 250 mL cups are needed to half fill a 8L bucket?

   _____

8. The value of the word CODE is: 3 + 15 + 4 + 5 = 27
   What is the value of the word OPEN?

   _____

9. What is the remainder when 234 is divided by 7?

   _____

10. 0.5 of $5 = _____

11. One quarter of $10 is equal to _____.

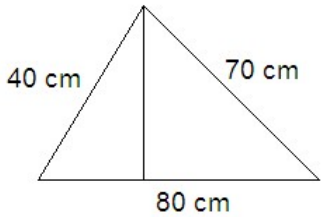
12. James had $52. He spent $23.35. How much change should he get?

    _____

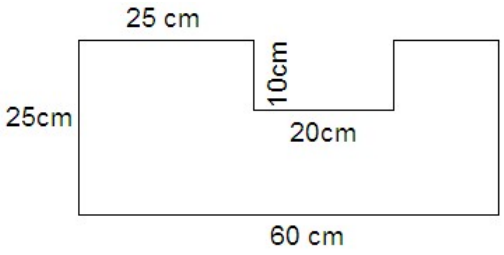
13. How many 20 cent coins have the same value as $8.80?

    _____

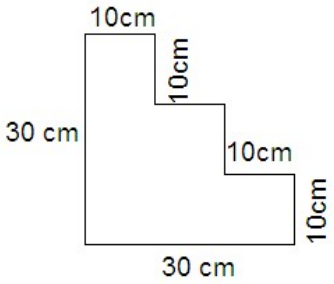
14. What is the perimeter of the figure shown below? P = _____



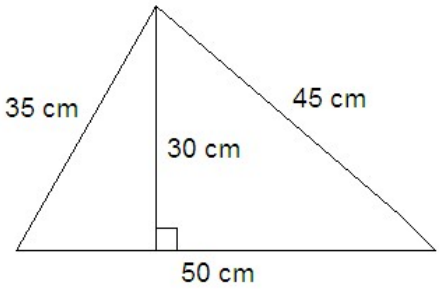
15. What is the perimeter of the figure shown below? P = _____



16. Find the perimeter and the area of the figure shown below.
P = _____ , A = _____



17. Find the perimeter and the area of the figure shown below.
P = _____ , A = _____



18. 89 + 23 can be rounded to be:
    (A) 80 + 20 (B) 70 + 30 (C) 90 + 20 (D) 90 + 30

19. A Year 3 student would most likely have a mass of about:
    (A) 500 g (B) 30 kg (C) 10 kg (D) 3000 g

20. The smaller angle between the hands of a clock at 4 o'clock is
    (A) an angle less than 90^o (B) a right angle.
    (C) an angle between 90^o and 180^o. (D) an angle greater than 180^o.

21. Jessica has 55 marbles. She puts them into groups of 12. How many will be left over?
    (A) 1 (B) 3 (C) 5 (D) 7

22. When Bob first weighed himself he had a mass of 32.5 kg. Half a year later he weighed himself again. His mass had increased by 3.8 kg. His new mass was
    (A) 36.5 kg (B) 36.3 kg (C) 32.8 kg (D) 25.6 kg

23. Four friends meet after a holiday. They all shake hands with each other. How many handshakes do they have altogether?
    (A) 4 (B) 6 (C) 8 (D) 10

24. 50% of \$25 =
    (A) \$ 2.50 (B) \$12.50 (C) \$10.50 (D) \$5.00

25. Dolly has fourteen colour pencils in her pencil case. 2 red, 3 green, 4 blue and 5 yellow. She takes one pencil out without looking. What is the chance that is a red pencil?
    (A) 1 chance in 7 (B) 1 chance in 14 (C) 2 chances in 10 (D) 1 change in 2

26. Anna's answer to the last question in a test was 74. Which one of these questions did she answer?
    (A) $2 \times 20 + 17$ (B) $6 \times 12 - 6$ (C) $6 \times 12 + 6$ (D) $156 \div 4 + 35$

27. Ken has 5 marbles. Two large marbles weigh 50 g each and three small marbles weigh 25 g each. What is the average weight of those five marbles?
    (A) 25 g (B) 35 g (C) 45 g (D) 50 g

28. Each term David has a topic test. This year he scored 80, 82 and 84 for the first three tests. What score must he get to have an average score of 83?
    (A) 82 (B) 83 (C) 84 (D) 86