

Year 3 Term 3 Homework

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

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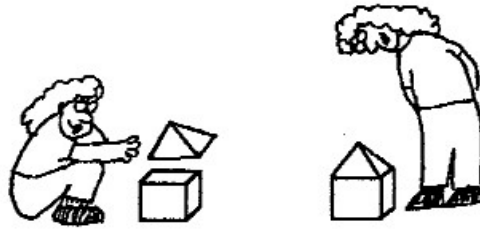
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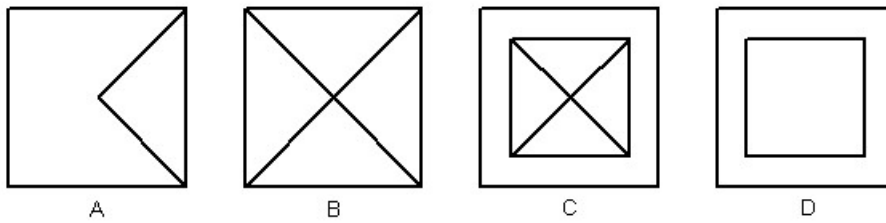
4 Year 3 Term 3 Week 4 Homework

4.1 Topic 1 — Space Strand (3D)

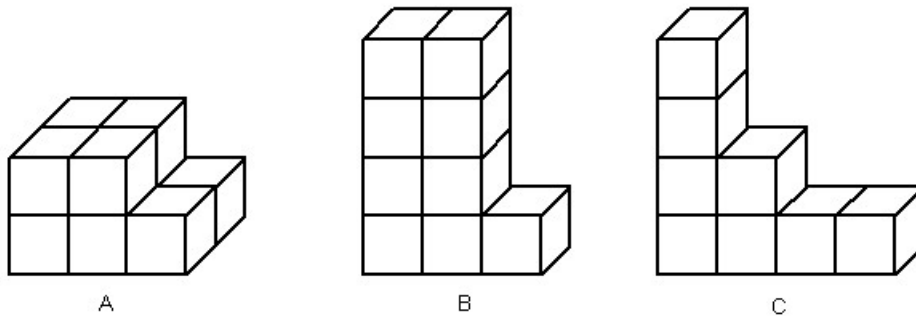
1. Jane builds a house.



She stands up and looks straight down on the house. What would it look like?



2. Peter builds three shapes out of blocks.

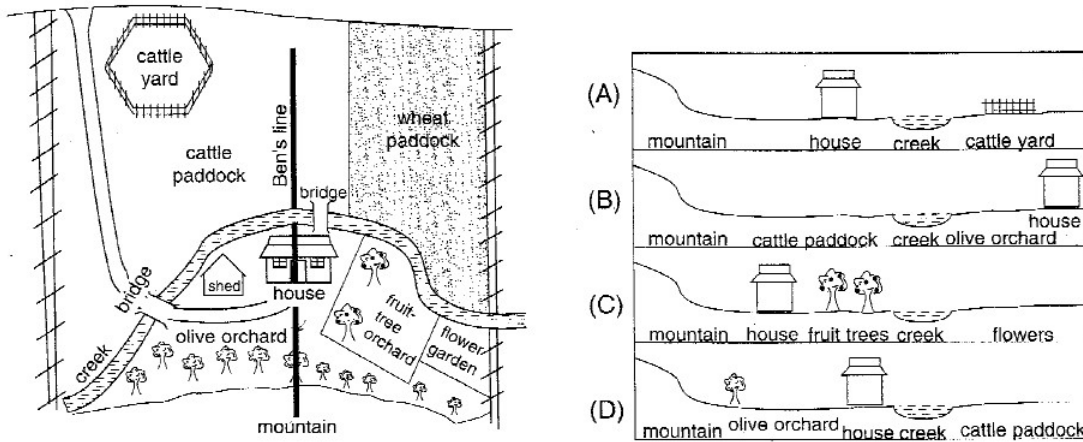


(a) Which shape uses the most blocks?

(b) How many blocks are used altogether?

4.2 Topic 2 — Position

1. Use this map to answer the following questions:

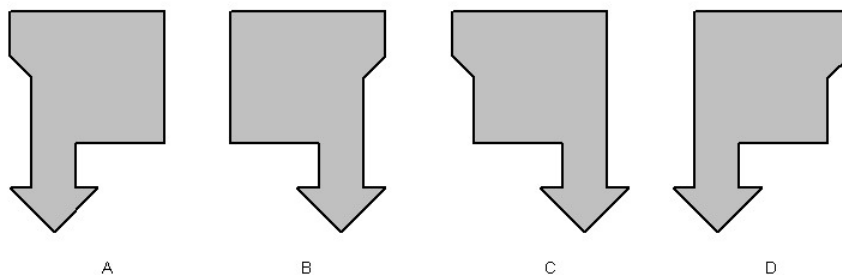


- (a) Which question about the farm can be answered by using the map?
- (A) What flowers are in the garden? (B) What is near the fruit-tree orchard?
 (C) What is the height of the mountain? (D) What is the name of the creek?
- (b) The cattle yard takes up about the same amount of land as the
- (A) fruit-tree orchard. (B) cattle paddock. (C) wheat paddock. (D) olive orchard.
- (c) The farmer drew a line across the middle of the map as shown. Then he drew a picture of what was on the line. Which picture best shows his drawing?
- (A) (B) (C) (D).

2. The figure shows the sun behind the building.





















What shadow would be made?



4.3 Topic 3 — Graphs

1. This picture graph represents the number of people visiting a museum on last Sunday.

where  = 20 people.

Time	Number of people
10 am - 11 am	 
11 am - 12 noon	  
12 noon - 1 pm	 
1 pm - 2 pm	 
2 pm - 3 pm	   
3 pm - 4 pm	   

(a) At what time did most people visit the museum?

(b) How many people were visiting between 10:00 a.m. and 11:00 a.m.?

(c) How many people visited after 2:00 p.m.?

(d) How many people visited the museum altogether?

(e) If it costs \$4.50 to enter the museum how much was collected?

(f) How many more people visited the museum after 1:00 p.m. than before 1:00 p.m.?

4.4 Topic 4 — Length

1. Write the following lengths in centimetres:

(a) $2.05 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$.

(b) $3 \text{ m } 45 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$.

(c) $12 \text{ m } 2 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$.

(d) $1 \text{ m } 22 \text{ cm} = \underline{\hspace{2cm}} \text{ cm}$.

(e) $500 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$.

(f) $2050 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$.

2. Write as metres in decimal form:

(a) $1 \text{ m } 25 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$.

(b) $5 \text{ m } 5 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$.

(c) $50 \text{ m } 50 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$.

(d) $354 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$.

(e) $1235 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$.

(f) $5020 \text{ mm} = \underline{\hspace{2cm}} \text{ m}$.

3. Bob had a plank of wood 8 metres long. He cut off $\frac{1}{4}$ of the length. How long is the plank now?

4. How many 5 cm lengths of rope can be cut from a length of $3\frac{1}{2}$ m?

5. One metre of ribbon costs \$1.80. What is the cost of 2.5 m ?

4.5 Topic 5 — Fractions**4.5.1 Adding Fractions 1**

$$\textcircled{1} \quad \frac{3}{4} + \frac{2}{5} = \underline{\hspace{10cm}}$$

$$\textcircled{2} \quad \frac{3}{5} + \frac{1}{4} = \underline{\hspace{10cm}}$$

$$\textcircled{3} \quad \frac{1}{2} + \frac{4}{5} = \underline{\hspace{10cm}}$$

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

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

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

$$\textcircled{7} \quad \frac{1}{5} + \frac{2}{3} = \underline{\hspace{10cm}}$$

$$\textcircled{8} \quad \frac{1}{3} + \frac{3}{6} = \underline{\hspace{10cm}}$$

$$\textcircled{9} \quad \frac{1}{4} + \frac{1}{3} = \underline{\hspace{10cm}}$$

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

Score: _____

4.5.2 Subtracting Fractions 1

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

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

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

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

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

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

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

$$\textcircled{8} \quad \frac{3}{5} - \frac{3}{6} = \underline{\hspace{10cm}}$$

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

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

Score:

4.5.3 Comparing Fractions 1

① $\frac{1}{4} \square \frac{6}{8}$

② $\frac{4}{5} \square \frac{1}{2}$

③ $\frac{2}{4} \square \frac{1}{8}$

④ $\frac{5}{6} \square \frac{2}{3}$

⑤ $\frac{6}{7} \square \frac{4}{6}$

⑥ $\frac{4}{8} \square \frac{2}{4}$

⑦ $\frac{3}{5} \square \frac{5}{6}$

⑧ $\frac{1}{2} \square \frac{6}{7}$

⑨ $\frac{3}{6} \square \frac{4}{5}$

⑩ $\frac{2}{8} \square \frac{1}{3}$

⑪ $\frac{6}{8} \square \frac{4}{7}$

⑫ $\frac{2}{6} \square \frac{2}{5}$

⑬ $\frac{2}{7} \square \frac{3}{4}$

⑭ $\frac{1}{7} \square \frac{2}{8}$

⑮ $\frac{2}{3} \square \frac{4}{8}$

⑯ $\frac{5}{7} \square \frac{1}{7}$

⑰ $\frac{2}{5} \square \frac{3}{7}$

⑱ $\frac{7}{8} \square \frac{2}{7}$

⑲ $\frac{1}{6} \square \frac{3}{6}$

⑳ $\frac{1}{5} \square \frac{5}{8}$

㉑ $\frac{3}{7} \square \frac{3}{8}$

Score:

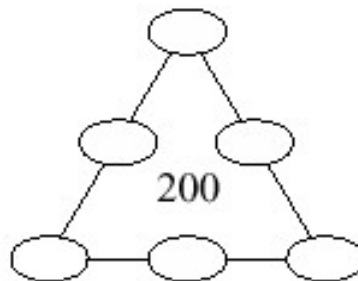
4.6 Problem Solving (Number Puzzles)

Exercise 4.6.1

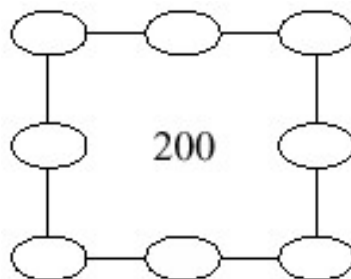
1. The same shape means the same number. fill in the missing whole tents.

	+		+		=	100
	+		-		=	60
	-		+		=	40
	-		-		=	0

2. The three numbers along each line add up to 200. Write the missing numbers that choose from 40, 50, 60, 70, 80 and 90.



3. The three numbers along each line add up to 200. Write the missing numbers that choose from 30, 40, 50, 60, 70, 80, 90 and 100.



4.7 Miscellaneous Exercises

Exercise 4.7.1

1. Study the numbers in set A. Complete the sentences so that they are correct.

$$A = 144, 273, 50, 18, 705, 1001, 850$$

(a) All these numbers _____

(b) Not all these numbers _____

(c) None of these numbers _____

(d) There is at least one number which _____

(e) There is at least one number which is not _____

2. What number is 27 less than 214?

3. What number multiplied by 6 is nine times 8 plus 6?

4. How many 125 g packets of seed can be made from 2 kg bag of seed?

5. Complete the following number pattern: 105, 95, , 78, 71, 65.

6. Find the sum of the even digits in the numbers 19, 20, 21, 22, 23, 24, and 25.

7. Replace the ★ with the sign that will make this number sentence true. $[+, -, \times, \div]$

$$21 \star (3 + 4) = 3.$$

8. Find the LCM of the numbers 16 and 24.

Exercise 4.7.2

1. What is the perimeter of a regular pentagon with sides of 8 cm?

2. A rectangle has a perimeter of 20 cm. If one side of the rectangle is 7 cm long. What is the length of the other side?

3. What is the value of the second 7 in the numeral 7,777?

4. How many 750 mL bottles of milk would you have to buy to have exactly 12 litres?

5. How many lengths of wood each 0.75 m long placed end to end would measure 375 cm?

6. How many factors does 32 have?

7. A human heart beats 720 times every 10 minutes. How many times will it beat in 24 minutes?

8. Tony has 40 marbles. $\frac{1}{2}$ of them are in red colour, $\frac{1}{4}$ of them are in green colour and the rest are in blue colour. How many blue colour marbles does Tony have?

Exercise 4.7.3

1. How many 250 mL bottles of water can be filled from a tank that has a capacity of 200 L?

2. How many 5 cents in \$1.25?

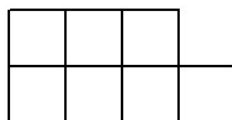
3. How many tens in five hundreds and twenty-two tens?

4. How many days are there in January, February and March in a leap year?

5. How many days are there in two fortnights ?

6. How many centimetres are there in 2.75 metres? _____

7. How many squares in the figure shown below?



8. How many rectangles in the figure shown below?



4.8 Quiz 4

1. How many centimetres are there in 1.28 metres? _____
2. How many centimetres are there in 2035 millimeters? _____
3. How many centimetres are there in 2 metres and 8 centimetres? _____
4. How many metres are there in 235 centimetres? _____
5. How many millimeters are there in 3.54 metres? _____
6. One metre of ribbon costs \$1.50. What is the cost of 3.5 metres? _____
7. Which fraction is larger $\frac{1}{4}$ or $\frac{1}{5}$? _____
8. Which fraction is smaller $\frac{3}{7}$ or $\frac{3}{8}$? _____
9. How many minutes are there in 2 and a half hours?

10. How many days are there in June, July and August?

11. What is the next number for the sequence? 2, 5, 9, 14, 20, ____, _____
12. How many millilitres are there in 2.2 litres? _____
13. Find the LCM of 12 and 28.

14. Evaluate $\frac{3}{5} + \frac{1}{6}$.

15. Evaluate $\frac{3}{5} - \frac{1}{6}$.

