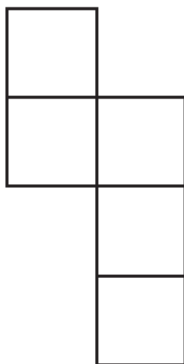


Fractions and decimal – Checkpoint Primary Mathematics

1.

Here is the net of an open cube.



One more square is needed to make the net of a closed cube.

How many **different** places can the extra square be added to make the net of a closed cube?

..... [1]

2.

(a) Multiply 7.35 by 3

..... [1]

(b) Divide 84.42 by 7

..... [1]

3.

Here are three symbols.



Write the correct symbol in each box.

$$4 \times \frac{3}{4} \quad \square \quad 2$$

$$\frac{1}{4} \div 4 \quad \square \quad \frac{1}{2}$$

$$4 \times \frac{3}{3} \quad \square \quad 4$$

[2]

4.

Calculate.

$$\frac{2}{3} + \frac{3}{5}$$

Give your answer in the simplest form.

[1]

5.

Here are three symbols.



Write the correct symbol in each box.

$2.18 \quad \square \quad 2.3$

$\frac{7}{8} \quad \square \quad \frac{3}{4}$

$0.6 \quad \square \quad \frac{3}{5}$

$\frac{1}{8} \quad \square \quad 0.25$

[2]

6.

Complete the following number sentences.

$(a) \quad 2.047 = \square \text{ units } \square \text{ tenths } \square \text{ hundredths } \square \text{ thousandths}$

[1]

$(b) \quad 3.67 = \square \text{ hundredths}$

[1]

7.

Write $\frac{7}{10}$ as a decimal.

..... [1]

8.

Complete the number statement.

$$36.43 = 36.4 +$$

[1]

9.

Draw a line to match each fraction to the equivalent calculation.

$$\frac{1}{6}$$

$$\frac{6}{10}$$

$$6 \div 1$$

$$6 \div 10$$

$$10 \div 6$$

$$1 \div 6$$

[1]

10.

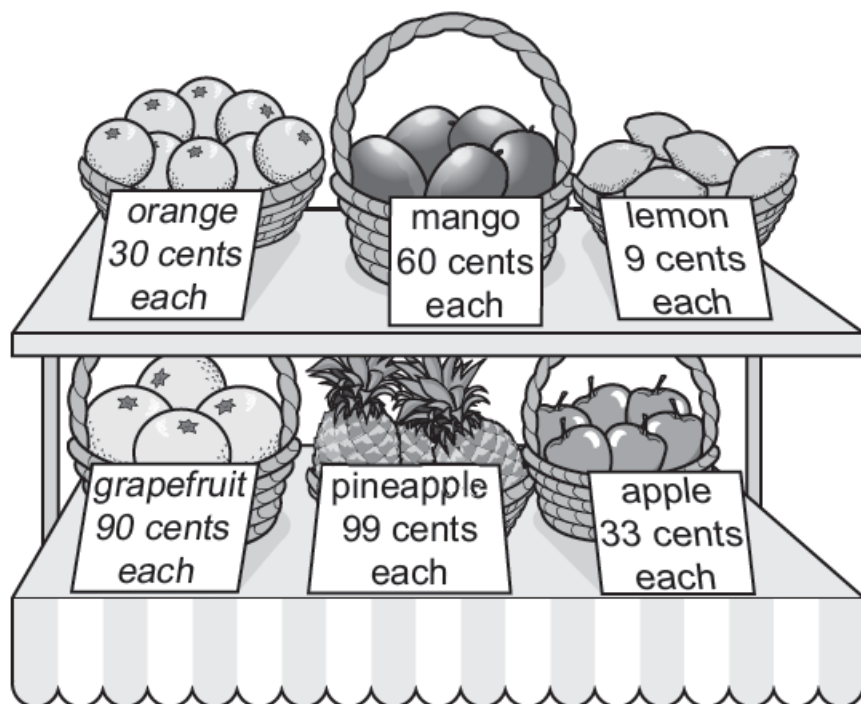
Calculate.

$$7.7 \times 7$$

[1]

11.

Oliver has \$3

He spends $\frac{3}{10}$ of his money on one piece of fruit.

Write down the piece of fruit Oliver buys.

..... [1]

12.

Tick (✓) **two** numbers with a total of 5

2.68

☐

3.32

☐

3.68

☐

1.32

☐

2.42

☐

[1]

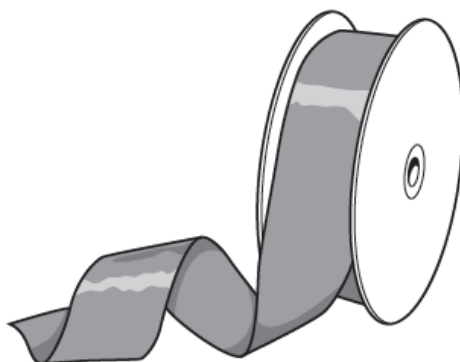
13.

Write the number that is five-tenths more than 4.79

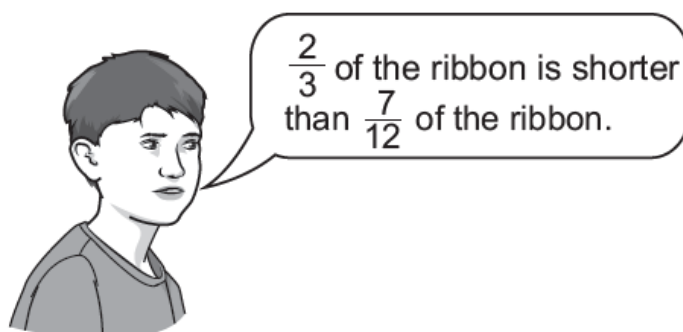
[1]

14.

Oliver has a piece of ribbon.



Oliver says,



Tick (✓) to show if Oliver is correct.

Yes

☐

No

☐

Explain how you know.

.....

.....

[1]

15.

Samira is thinking of a number between -10 and 0



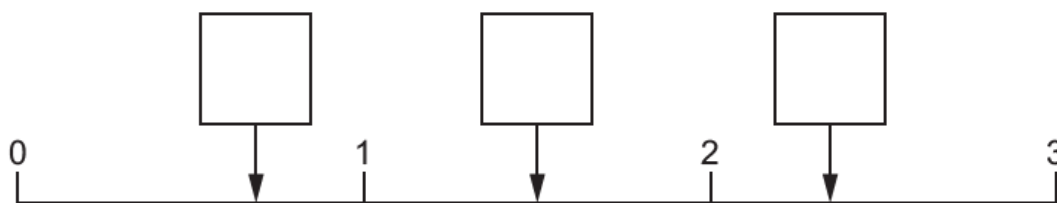
It has 4 hundredths and no tenths.
The ones digit is 6

Write down Samira's number as a decimal.

[1]

16.

Here is a number line.



Each box points to a number on the number line.

Write the correct number in each box.

Choose from the number cards.

$$\frac{7}{2}$$

$$\frac{3}{2}$$

$$\frac{2}{3}$$

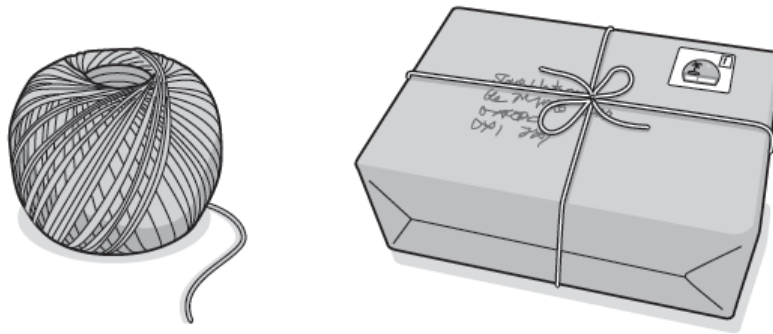
$$2\frac{1}{3}$$

$$\frac{3}{3}$$

[2]

17.

Youssef has a ball of string and a parcel.



He uses $\frac{1}{5}$ of his string to tie a parcel.

He uses 48 cm of string.

(a) Write the length of string that Youssef has left in centimetres.

..... cm [1]

(b) Write the length of string that Youssef has left in metres.

..... m [1]

18.

Write a **different** number in each box to make this statement correct.

$$\frac{\boxed{}}{8} + \frac{5}{8} + \frac{\boxed{}}{8} = \frac{9}{8}$$

[1]

19.

Write a number in each box to make the equivalent fractions correct.

$$\frac{1}{2} = \frac{\boxed{}}{16}$$

$$\frac{3}{4} = \frac{18}{\boxed{}}$$

[1]

20.

Here are some mathematical symbols.

$$\boxed{=}$$

$$\boxed{>}$$

$$\boxed{<}$$

Write a symbol in **each** box to make the statement correct.

$$\frac{5}{8} \quad \boxed{} \quad \frac{3}{4}$$

$$\frac{6}{10} \quad \boxed{} \quad \frac{12}{20}$$

[1]

21.

Here is part of a fraction wall.

1							
A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B

Write the fraction that one A represents.

Write the fraction that one B represents.

[1]

22.

Seven children share one bar of chocolate.

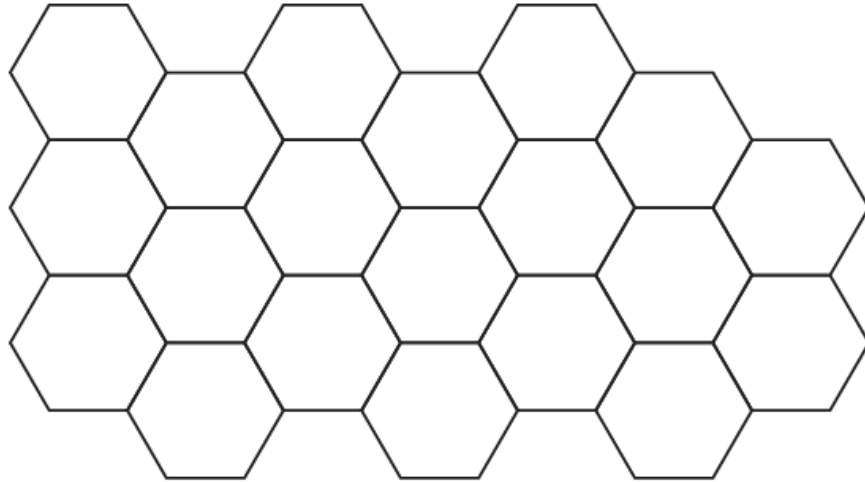
Complete the number statement to show the fraction of the chocolate bar each child gets.

$$\square \div \square = \frac{\square}{\square}$$

[1]

23.

Here is a shape made from identical hexagons.



Shade $\frac{1}{5}$ of this shape.

[1]

24.

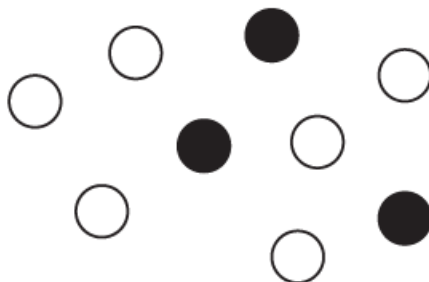
Hassan eats $\frac{1}{4}$ of a pizza.

Write the fraction of the pizza that is left.

..... pizza [1]

25.

Here is a picture of black and white counters.

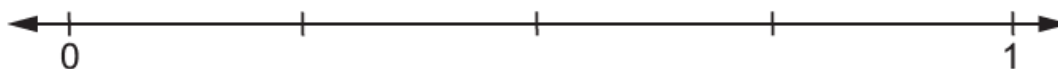


Write the fraction of the counters that are black.

..... [1]

26.

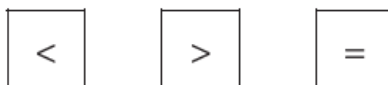
Draw an arrow ($\downarrow$) to show $\frac{3}{4}$ on the number line.



[1]

27.

Here are some mathematical symbols.



Write a symbol in each box to make each statement correct.

$$\frac{1}{2} \quad \square \quad \frac{1}{10}$$

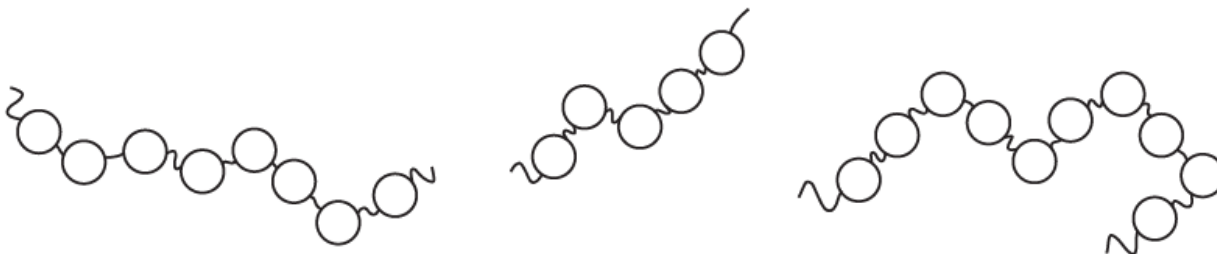
$$\frac{9}{10} \quad \square \quad \frac{3}{10}$$

$$\frac{1}{5} \quad \square \quad \frac{1}{4}$$

[1]

28.

Gabriella and Samira have these three strings of beads to share between them.



Gabriella says,

'We can find half of the total number of these beads and we will each have the same number of beads.'

Tick (✓) to show if Gabriella is correct.

Yes

☐

No

☐

Explain how you know.

.....

.....

[1]