4.3 Fractions: Halves, Quarters and Thirds: 1-hour Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 60 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Find two quarters of 32 m.

Answer: ___ m

(2)

2 Find two thirds of 12p.

Answer: ___ p

(2)

3 A chocolate bar is cut into 4 equal squares. Freya eats 1 square.

What fraction of the chocolate bar does Freya eat?

Answer: ___

(1)

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4 A chocolate bar is cut into 3 equal squares. Ravi eats 1 square.

What fraction of the chocolate bar is left?

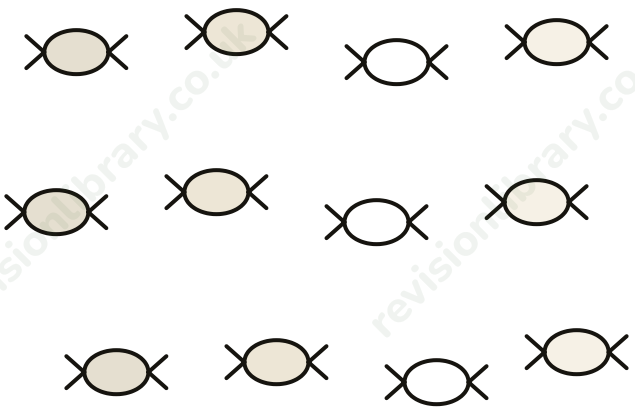
Answer: ___

(1)

---

5 Four friends share 12 sweets equally. How many sweets does each friend get?

Answer: ___



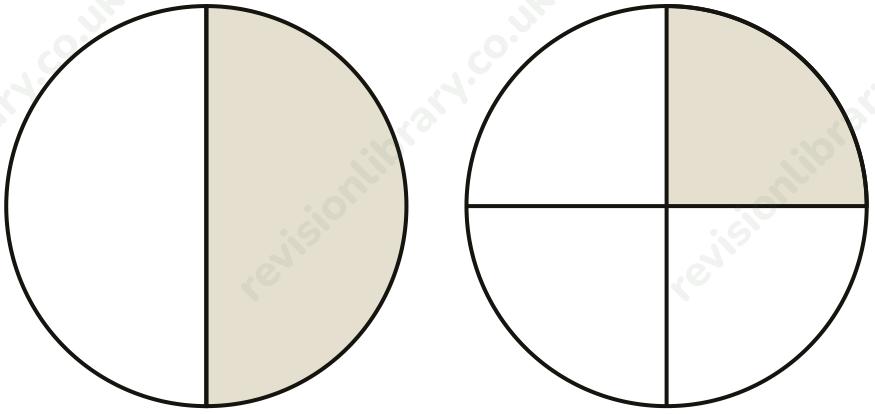
(1)

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6 Match the fractions to the pictures. Picture A shows a circle half shaded. Picture B shows a circle quarter shaded.

Write the fraction for A and for B.

A: ___ B: ___



A B

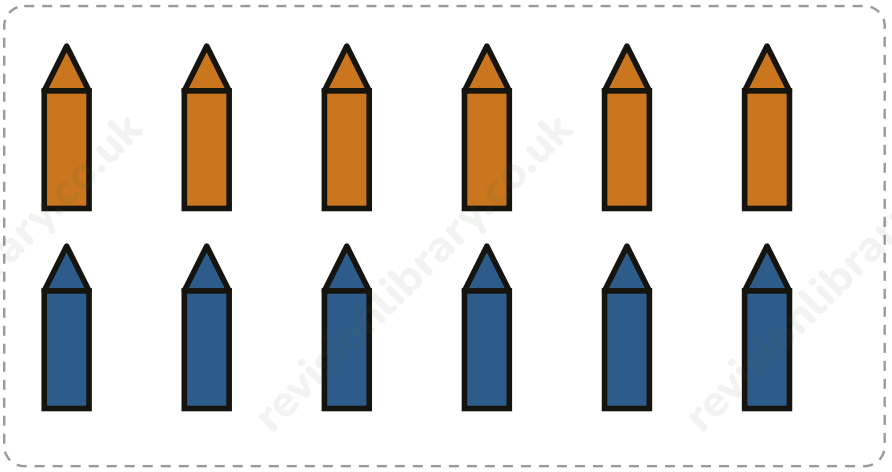


(2)

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7 There are 6 orange crayons and 6 blue crayons. What fraction of the crayons are orange?

Answer: ___



(1)

---

8 Mia eats 3/4 of a ribbon. Sam eats 2/4 of an identical ribbon.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

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9 How many quarters are there in 5 oranges? (All the oranges are cut into quarters.)

Answer: ___

(1)

---

10 Mateo has 18 counters. Mateo gives two thirds of them to a friend. How many counters does Mateo give away?

Answer: ___

(2)

---

11 Mia eats 1/4 of a ribbon. Sam eats 2/4 of an identical ribbon.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

---

12 Find a quarter of 20p.

Answer: ___ p

(1)

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13 Ella has 30 balloons. Ella gives a third of them to a friend. How many balloons does Ella give away?

Answer: ___

(1)

---

14 Find a quarter of 12.

Answer: ___

(1)

---

15 Dev has 3 shells. Dev gives two thirds of them to a friend. How many shells does Dev give away?

Answer: ___

(2)

---

16 Find two thirds of 6 m.

Answer: ___ m

(2)

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17 Mia eats 2/3 of a chocolate bar. Sam eats 2/4 of an identical chocolate bar.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

18 Tom has 12 stickers. Tom gives two thirds of them to a friend. How many stickers does Tom give away?

Answer: ___

(2)

19 Find two thirds of 15 kg.

Answer: ___ kg

(2)

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20 Mia eats 2/3 of a cake. Sam eats 1/2 of an identical cake.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

---

21 Ella has 33 sweets. Ella gives a third of them to a friend. How many sweets does Ella give away?

Answer: ___

(1)

---

22 A sandwich is cut into 3 equal pieces. Oscar eats 1 piece.

What fraction of the sandwich is left?

Answer: ___

(1)

---

23 How many quarters are there in 4 sandwiches? (All the sandwiches are cut into quarters.)

Answer: ___

(1)

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24 Find a third of 24 litres.

Answer: ___ litres

(1)

---

25 How many quarters are there in 2 sandwiches? (All the sandwiches are cut into quarters.)

Answer: ___

(1)

---

26 Mia eats 3/4 of a ribbon. Sam eats 1/3 of an identical ribbon.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

---

27 Mia eats 2/4 of a cake. Sam eats 1/4 of an identical cake.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

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28 Mia eats 3/4 of a cake. Sam eats 2/3 of an identical cake.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

29 A cake is cut into 3 equal pieces. Daisy eats 1 piece.

What fraction of the cake is left?

Answer: ___

(1)

30 Mia eats 1/4 of a chocolate bar. Sam eats 2/3 of an identical chocolate bar.

Who eats more? Write Mia or Sam, or Same if they eat the same amount.

Answer: ___

(1)

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31 Olu has 21 balloons. Olu gives a third of them to a friend. How many balloons does Olu give away?

Answer: ___

(1)

---

32 How many halves are there in 4 sandwiches? (All the sandwiches are cut into halves.)

Answer: ___

(1)

---

33 There are 12 strawberries in a box. Shade one quarter of them in your head and write how many are shaded.

Answer: ___



(1)

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34 A pizza is cut into 3 equal slices. Jack eats 1 slice.

What fraction of the pizza does Jack eat?

Answer: ___

(1)

---

35 What is half of 14?

Answer: ___

(1)

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Mark scheme · 4.3 Fractions: Halves, Quarters and Thirds: 1-hour Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

32 divided by 4	M1
16 m cao	A1

Answer: **16 m**

Question 2

12 divided by 3	M1
8p cao	A1

Answer: **8p**

Question 3

1/4 cao	B1

Answer: **1/4**

Question 4

2/3 cao	B1

Answer: **2/3**

Question 5

3 cao (12 divided by 4 is 3)	B1

Answer: **3**

Question 6

A = 1/2 cao	B1
B = 1/4 cao	B1

Answer: **A: 1/2 B: 1/4**

Question 7

6/12 cao (which can be simplified to 1/2 but 6/12 is acceptable) oe	B1

Answer: **6/12**

Question 8

Mia cao	B1

Answer: **Mia**

Question 9

20 cao	B1

Answer: **20**

Question 10

18 / 3 = 6 seen	M1
12 cao	A1

Answer: **12**

Question 11

Sam cao	B1

Answer: **Sam**

Question 12

5p cao	B1

Answer: **5p**

Question 13

10 cao	B1

Answer: **10**

Question 14

3 cao	B1

Answer: **3**

Question 15

3 / 3 = 1 seen	M1
2 cao	A1

Answer: **2**

Question 16

6 divided by 3	M1
4 m cao	A1

Answer: **4 m**

Question 17

Mia cao	B1

Answer: **Mia**

Question 18

12 / 3 = 4 seen	M1
8 cao	A1

Answer: **8**

Question 19

15 divided by 3	M1
10 kg cao	A1

Answer: **10 kg**

Question 20

Mia cao	B1

Answer: **Mia**

Question 21

11 cao	B1

Answer: **11**

Question 22

2/3 cao	B1

Answer: **2/3**

Question 23

16 cao	B1

Answer: **16**

Question 24

8 litres cao	B1

Answer: **8 litres**

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Question 25

8 cao **B1**

Answer: **8**

Question 26

Mia cao **B1**

Answer: **Mia**

Question 27

Mia cao **B1**

Answer: **Mia**

Question 28

Mia cao **B1**

Answer: **Mia**

Question 29

2/3 cao **B1**

Answer: **2/3**

Question 30

Sam cao **B1**

Answer: **Sam**

Question 31

7 cao **B1**

Answer: **7**

Question 32

8 cao **B1**

Answer: **8**

Question 33

3 cao (one quarter of 12 is 3) **B1**

Answer: **3**

Question 34

1/3 cao **B1**

Answer: **1/3**

Question 35

7 cao **B1**

Answer: **7**

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