4.3 Fractions: Halves, Quarters and Thirds: Test Pack

STA NC-KS1-MATHS-STA · Calculators not allowed · about 45 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Look at 6 apples in a row. Circle half of them.

There are 6 apples.



(1)

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2 Which is the same as one half? Tick the correct box.

A 1/4 B 2/4 C 1/3

- ☐ 1/4
- ☐ 2/4
- ☐ 1/3

---

3 Find three quarters of 4 m.

Answer: ___ m

(2)

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4 A quarter of Jack's cards is 7. How many cards does Jack have altogether?

Answer: ___

(1)

---

5 Mia eats 3/4 of a pizza. Sam eats 1/2 of an identical pizza.

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

Answer: ___

(1)

---

6 A chocolate bar is cut into 4 equal squares. Layla eats 2 squares.

What fraction of the chocolate bar does Layla eat?

Answer: ___

(1)

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7 There are 10 pencils. Write one half of 10.

Answer: ___



(1)

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8 Look at 2 shapes. Shape A is split into 4 equal parts with 2 parts shaded. Shape B is split into 2 equal parts with 1 part shaded.

Are these the same amount? Circle Yes or No.

Answer: Yes / No



A



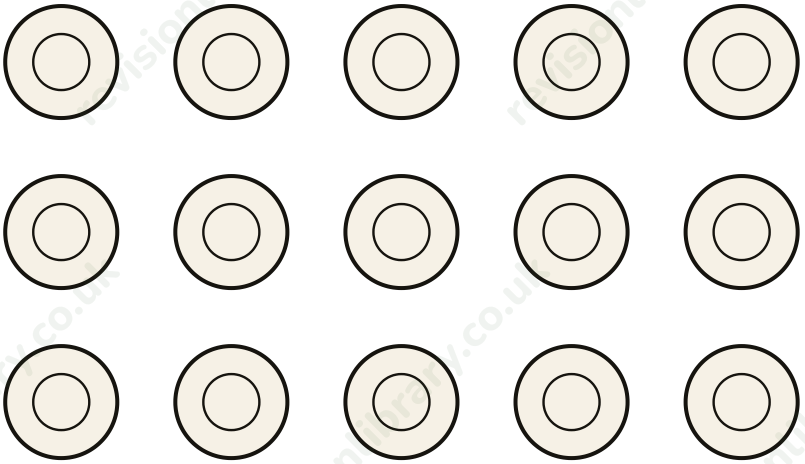
B

☐ Yes

☐ No

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9 There are 15 stickers.



(a) What is one third of 15? **(1)**

(b) Is that a whole number? Circle whole number or not a whole number. **(1)**

- ☐ whole number
- ☐ not a whole number

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10 Find three quarters of 12p.

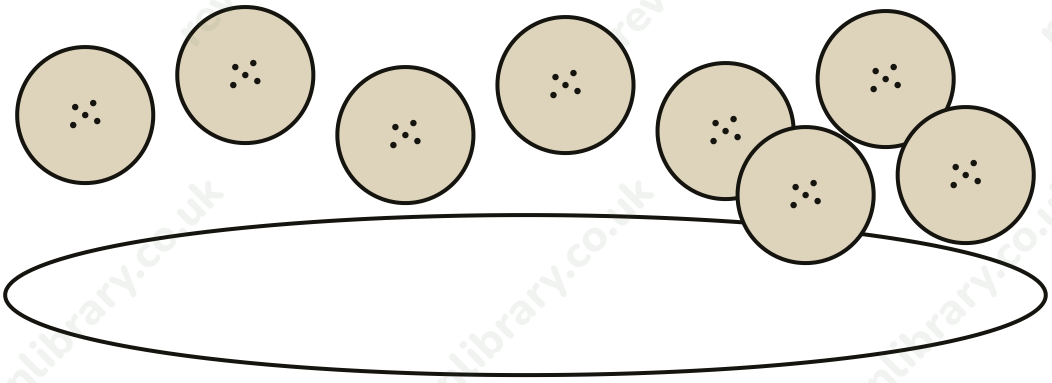
Answer: ___ p

(2)

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11 There are 8 biscuits on a plate. Put a ring around a quarter of them.

There are 8 biscuits.



(1)

12 Find a quarter of 40 m.

Answer: ___ m

(1)

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13 Shade half of the shape. The shape is a rectangle divided into 2 equal parts.



(1)

14 Amira has 4 cards. Amira gives three quarters of them to a friend. How many cards does Amira give away?

Answer: ___

(2)

15 Find two thirds of 21p.

Answer: ___ p

(2)

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16 Find a quarter of 4 kg.

Answer: ___ kg

(1)

---

17 Find two thirds of 6 litres.

Answer: ___ litres

(2)

---

18 A cake is cut into 4 equal pieces. Zara eats 3 pieces.

What fraction of the cake does Zara eat?

Answer: ___

(1)

---

19 Circle one third of these crayons. There are 9 crayons.



(1)

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20 Find a quarter of 4 cm.

Answer: ___ cm

(1)

---

21 A pie is cut into 4 equal slices. Oscar eats 2 slices.

What fraction of the pie is left?

Answer: ___

(1)

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22 Find three quarters of 28 m.

Answer: ___ m

(2)

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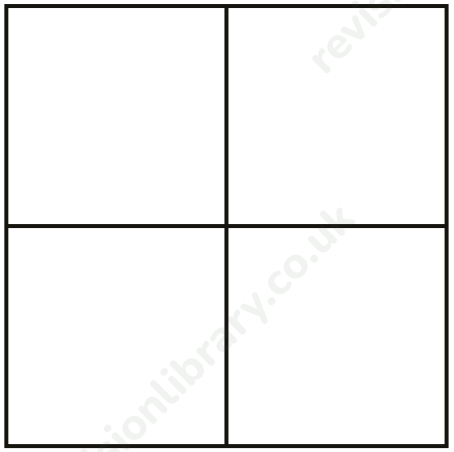
23 How many halves are there in 5 apples? (All the apples are cut into halves.)

Answer: ___

(1)

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24 Draw one quarter of a shape. The shape is a square divided into 4 equal small squares.



(1)

25 Find a half of 34.

Answer: ___

(1)

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Mark scheme · 4.3 Fractions: Halves, Quarters and Thirds: Test Pack

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

Question 1

3 apples circled, any three of the six, oe — **B1**

Answer: **3 apples circled (half of 6 is 3).**

Question 2

Tick B 2/4 cao — **B1**

Answer: **2/4**

Question 3

4 divided by 4 — **M1**

3 m cao — **A1**

Answer: **3 m**

Question 4

28 cao — **B1**

Answer: **28**

Question 5

Mia cao — **B1**

Answer: **Mia**

Question 6

2/4 cao — **B1**

Answer: **2/4**

Question 7

5 cao (1/2 of 10 is 5) — **B1**

Answer: **5**

Question 8

Yes cao (2/4 = 1/2) — **B1**

Answer: **Yes**

Question 9

(a) 5 cao — **B1**

(a) Answer: **5**

(b) whole number cao — **B1**

(b) Answer: **whole number**

Question 10

12 divided by 4 — **M1**

9p cao — **A1**

Answer: **9p**

Question 11

2 biscuits ringed, oe — **B1**

Answer: **2**

Question 12

10 m cao — **B1**

Answer: **10 m**

Question 13

One of the two equal parts shaded, showing half shaded, oe — **B1**

Answer: **One of the two equal parts shaded (half).**

Question 14

4 / 4 = 1 seen — **M1**

3 cao — **A1**

Answer: **3**

Question 15

21 divided by 3 — **M1**

14p cao — **A1**

Answer: **14p**

Question 16

1 kg cao — **B1**

Answer: **1 kg**

Question 17

6 divided by 3 — **M1**

4 litres cao — **A1**

Answer: **4 litres**

Question 18

3/4 cao — **B1**

Answer: **3/4**

Question 19

3 crayons circled, oe — **B1**

Answer: **3**

Question 20

1 cm cao — **B1**

Answer: **1 cm**

Question 21

2/4 cao — **B1**

Answer: **2/4**

Question 22

28 divided by 4 — **M1**

21 m cao — **A1**

Answer: **21 m**

Question 23

10 cao — **B1**

Answer: **10**

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Question 24

One small square shaded or marked, showing one quarter, oe **B1**

Answer: **One of the four small squares shaded (1/4).**

Question 25

17 cao **B1**

Answer: **17**

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