Varied Fluency
Step 5: Find a Quarter

National Curriculum Objectives:

Mathematics Year 2: (2F1a) Recognise, find, name and write fractions 1/3 , 1/4 , 2/4 and 3/4 of a length, shape, set of objects or quantity
Mathematics Year 2: (2F1b) Write simple fractions for example, 1/2 of 6 = 3

Differentiation:

Developing Questions to support finding a quarter by dividing the whole number or quantity into four equal parts, pictorial support provided with the use of a dividing line to show the quarters.
Expected Questions to support finding a quarter by dividing the whole number or quantity into four equal parts, pictorial support or scaffolding provided.
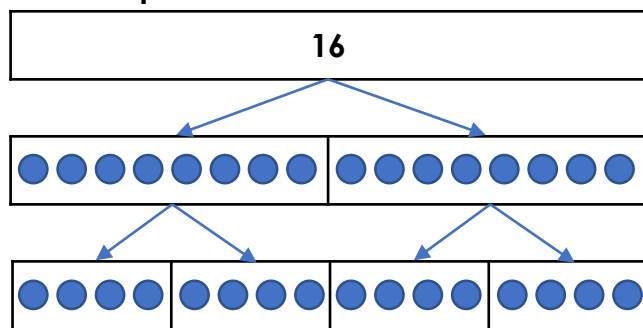**Greater Depth** Questions to support finding a quarter of whole numbers or quantities, using some images arranged at random and numerals. No scaffolding provided.

More Year 2 Fractions resources.

Did you like this resource? Don't forget to review it on our website.

Find a Quarter

Find a Quarter

1a. Complete the bar model.

16

$\frac{1}{2}$ of 16 is ☐

$\frac{1}{4}$ of 16 is ☐

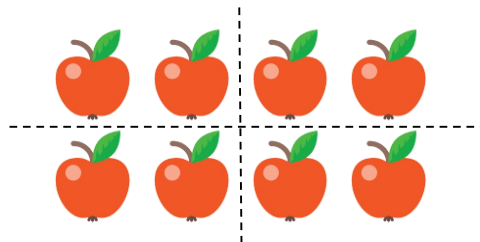**1b. Complete the bar model.**

12
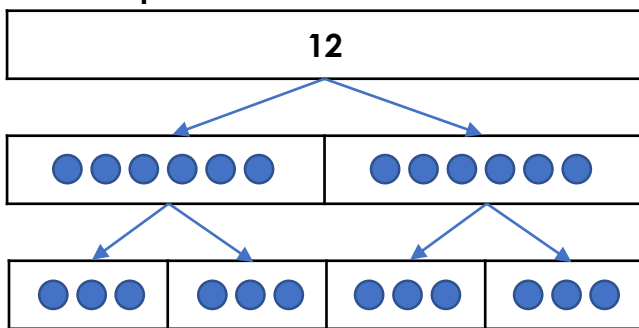
$\frac{1}{2}$ of 12 is ☐

$\frac{1}{4}$ of 12 is ☐

2a. Find one quarter of the apples below. Circle the correct answer.
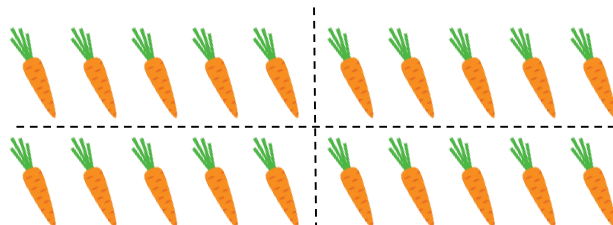
1   4   3   2

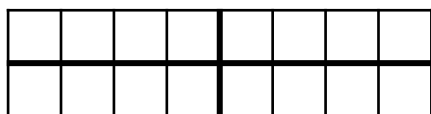**2b. Find one quarter of the carrots below. Circle the correct answer.**

8   6   10   5

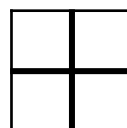**3a. Colour a quarter of the shape and complete the sentences.**

The whole is ☐ .

$\frac{1}{4}$ of ☐ is ☐

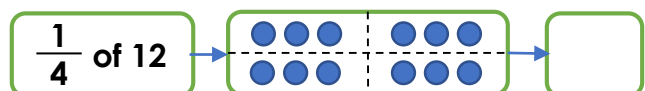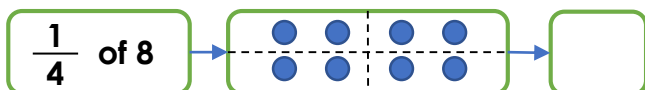**3b. Colour a quarter of the shape and complete the sentences.**

The whole is ☐ .

$\frac{1}{4}$ of ☐ is ☐
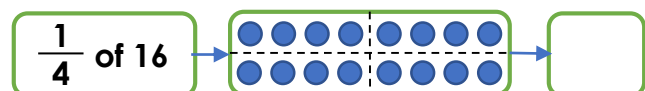
4a. Complete the answers.

$\frac{1}{4}$ of 8 → ☐

$\frac{1}{4}$ of 12 → ☐

4b. Complete the answers.

$\frac{1}{4}$ of 4 → ☐

$\frac{1}{4}$ of 16 → ☐

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Varied Fluency – Find a Quarter – Year 2 Developing

Find a Quarter

Find a Quarter

5a. Complete the bar model.

12

$\frac{1}{2}$ of 12 is [ ]

$\frac{1}{4}$ of 12 is [ ]

E ☆ VF

5b. Complete the bar model.

8
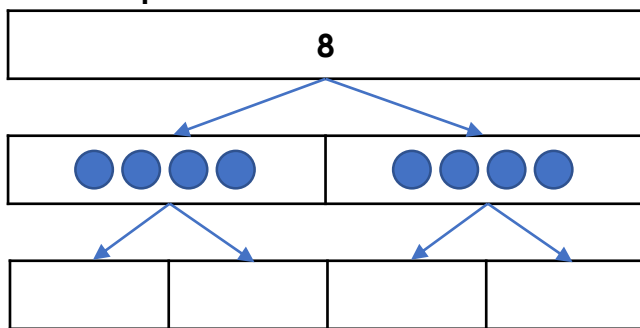
$\frac{1}{2}$ of 8 is [ ]

$\frac{1}{4}$ of 8 is [ ]

E ☆ VF

6a. Find one quarter of the strawberries below. Circle the correct answer.

4   1   2   3

E ☆ VF

6b. Find one quarter of the pears below. Circle the correct answer.

5   2   3   4

E ☆ VF

7a. Colour a quarter of the shape and complete the sentences.
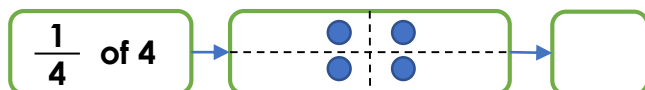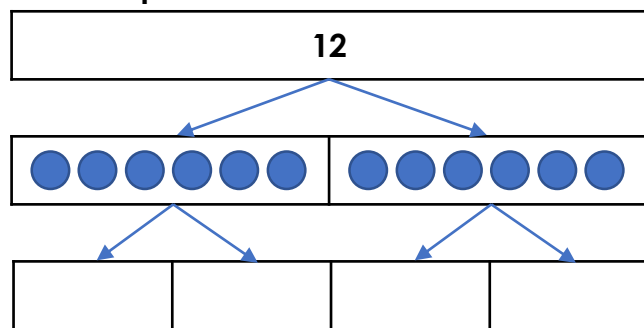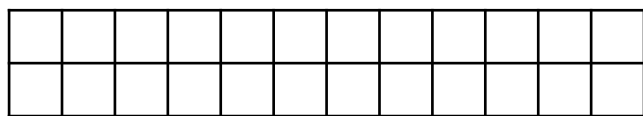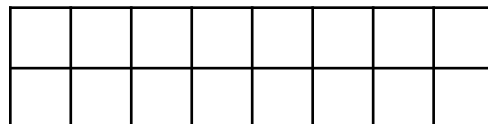
The whole is [ ] .

$\frac{1}{4}$ of [ ] is [ ]

E ☆ VF

7b. Colour a quarter of the shape and complete the sentences.

The whole is [ ] .

$\frac{1}{4}$ of [ ] is [ ]

E ☆ VF

8a. Fill in the blanks.

$\frac{1}{4}$ of 28 → 28 ÷ 2 = ___ ÷ 2 → [ ]

$\frac{1}{4}$ of 24 → 24 ÷ 2 = ___ ÷ 2 → [ ]

E ☆ VF

8b. Fil in the blanks.

$\frac{1}{4}$ of 16 → 16 ÷ 2 = ___ ÷ 2 → [ ]

$\frac{1}{4}$ of 20 → 20 ÷ 2 = ___ ÷ 2 → [ ]

E ☆ VF

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Varied Fluency – Find a Quarter – Year 2 Expected

Find a Quarter

Find a Quarter

9a. Complete the bar model.

16
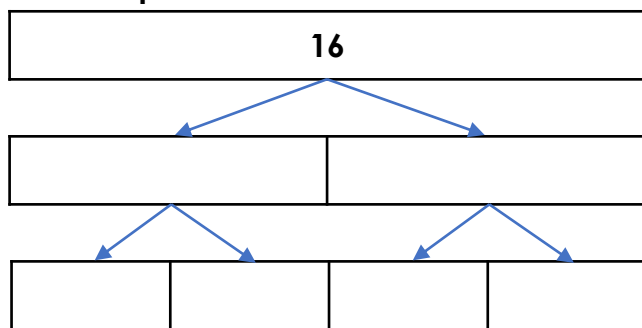
$\frac{1}{2}$ of 16 is ☐

$\frac{1}{4}$ of 16 is ☐

VF

9b. Complete the bar model.

24
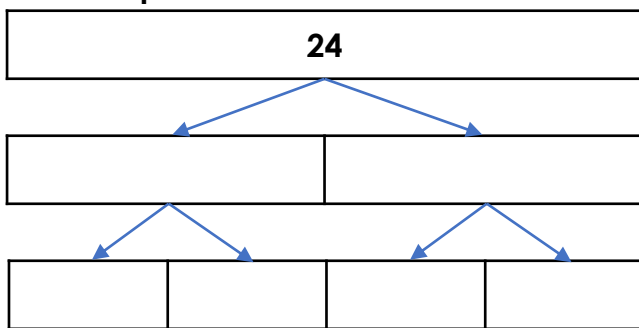
$\frac{1}{2}$ of 24 is ☐

$\frac{1}{4}$ of 24 is ☐

VF

10a. The bar of chocolate below has 12 pieces. Find one quarter of the bar. Circle the correct answer.

4   **3**   **5**   **6**

VF

10b. The bag of crisps below has 40 crisps. Find one quarter of the bag. Circle the correct answer.

6   **4**   **10**   **5**

VF

11a. Colour a quarter of the shape and complete the sentences.
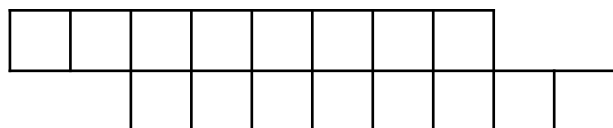
The whole is ☐ .

$\frac{1}{4}$ of ☐ is ☐
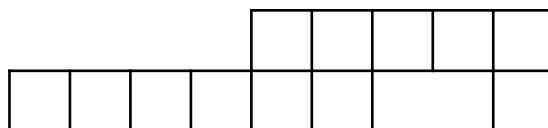
VF

11b. Colour a quarter of the shape and complete the sentences.

The whole is ☐ .

$\frac{1}{4}$ of ☐ is ☐

VF

12a. Complete the answers.

$\frac{1}{4}$ of 0 → ☐

$\frac{1}{4}$ of 28 → ☐

$\frac{1}{4}$ of 8 → ☐

VF

12b. Complete the answers.

$\frac{1}{4}$ of 4 → ☐

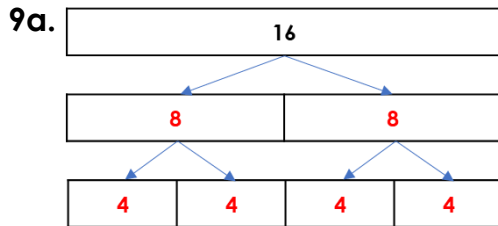$\frac{1}{4}$ of 32 → ☐

$\frac{1}{4}$ of 80 → ☐

VF

Developing
1a. **Half of 16 is 8. One quarter of 16 is 4.**
2a. **2**
3a. **Any 4 squares of the shape shaded. The whole is 16. One quarter of 16 is 4.**
4a. **2; 3**

Expected
5a. **The numeral 3 or 3 counters placed in each part of the bar model.**
Half of 12 is 6. One quarter of 12 is 3.
6a. **4**
7a. **Any 6 squares of the shape shaded. The whole is 24. One quarter of 24 is 6.**
8a. **$14 \div 2 = 7$; $12 \div 2 = 6$**

Greater Depth
9a.

16	
8	8

4	4	4	4

Half of 16 is 8. One quarter of 16 is 4.
10a. **3**
11a. **Any 4 squares of the shape shaded. The whole is 16. One quarter of 16 is 4.**
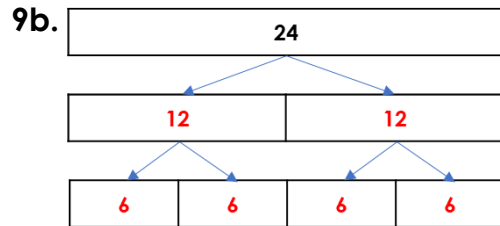**12a.** **0; 7; 2**

Developing
1b. **Half of 12 is 6. One quarter of 12 is 3.**
2b. **5**
3b. **Any 1 square of the shape shaded. The whole is 4. One quarter of 4 is 1.**
4b. **1; 4**

Expected
5b. **The numeral 2 or 2 counters placed in each part of the bar model.**
Half of 8 is 4. One quarter of 8 is 2.
6b. **5**
7b. **Any 4 squares of the shape shaded. The whole is 16. One quarter of 16 is 4.**
8b. **$8 \div 2 = 4$; $10 \div 2 = 5$**

Greater Depth
9b.

24	
12	12

6	6	6	6

Half of 24 is 12. One quarter of 24 is 6.
10b. **10**
11b. **Any 3 squares of the shape shaded. The whole is 12. One quarter of 12 is 3.**
12b. **1; 8; 20**

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Varied Fluency – Find a Quarter ANSWERS