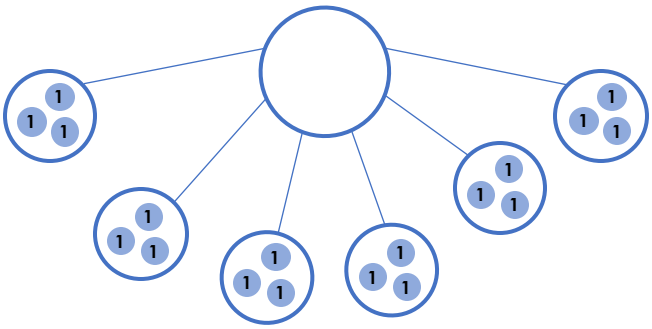
Multiply by 3

Multiply by 3

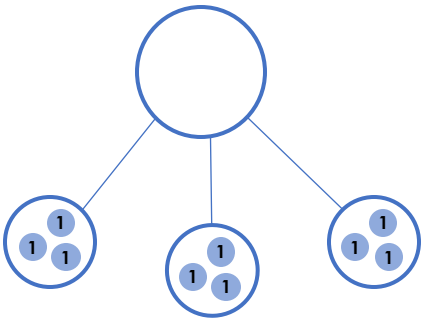
1a. Complete the part-whole model.



D

VF

1b. Complete the part-whole model.



D

VF

2a. True or false?

9 groups of 3 is 30.

D

VF

2b. True or false?

8 groups of 3 is 24.

D

VF

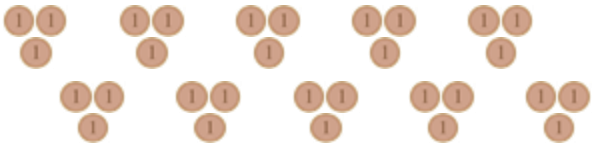
3a. The balloons have been sorted into groups of 3. Complete the statement.

☐ lots of 3 = ☐.

D

VF

3b. The coins have been sorted into groups of 3. Complete the statement.



☐ lots of 3 = ☐.

D

VF

4a. Match the representation to the multiplication.

3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 =

3 + 3 + 3 + 3 =

3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 =

D

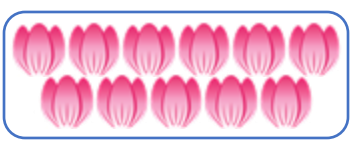
VF

4b. Match the representation to the multiplication.

3 + 3 + 3 + 3 + 3 + 3 =

3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 =

3 + 3 + 3 =

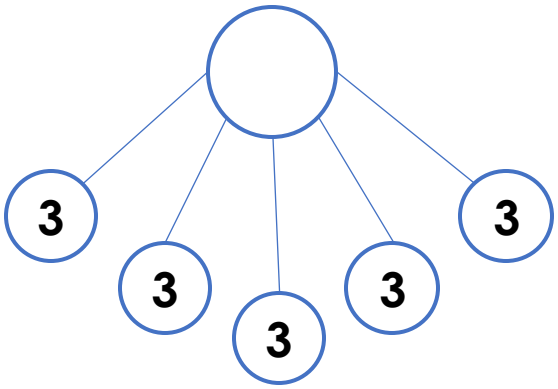


D

VF

Multiply by 3

5a. Complete the part-whole model.



VF

6a. True or false?

12 groups of three is 30.

VF

7a. Sort the pencils into groups of 3 and complete the statement.

☐ lots of 3 = ☐.

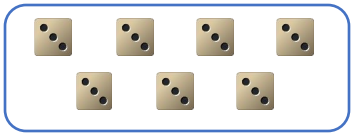
VF

8a. Match the representation to the multiplication.

7 x 3 =

4 x 3 =

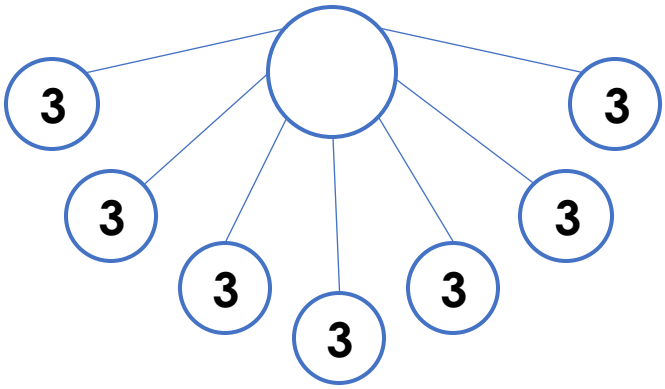
9 x 3 =



VF

Multiply by 3

5b. Complete the part-whole model.



VF

6b. True or false?

Six groups of three is 21.

VF

7b. Sort the sweets into groups of 3 and complete the statement.

☐ lots of 3 = ☐.

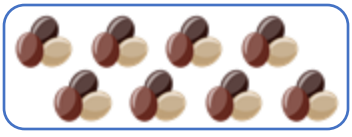
VF

8b. Match the representation to the multiplication.

3 x 3 =

8 x 3 =

5 x 3 =



VF

Varied Fluency
Multiply by 3

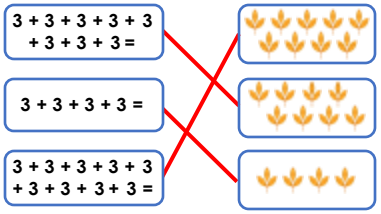
Developing

1a. 3 + 3 + 3 + 3 + 3 + 3 = 18

2a. False, 9 groups of 3 is 27.

3a. 7 lots of 3 = 21

4a.



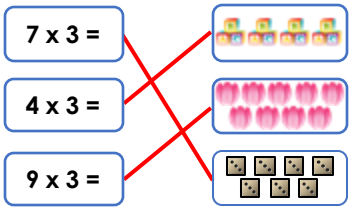
Expected

5a. 3 + 3 + 3 + 3 + 3 + 3 = 15

6a. False, 12 groups of 3 is 36.

7a. 6 lots of 3 = 18

8a.



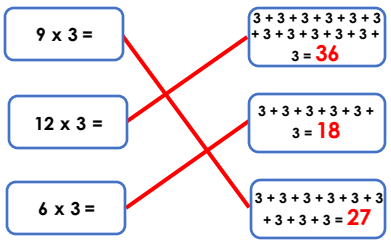
Greater Depth

9a. 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 30

10a. True

11a. 3 + 3 + 3 + 3 = 12; 4 x 3 = 12

12a.



Varied Fluency
Multiply by 3

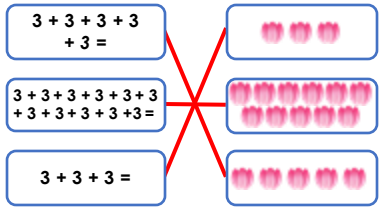
Developing

1b. 3 + 3 + 3 = 9

2b. True

3b. 10 lots of 3 = 30.

4b.



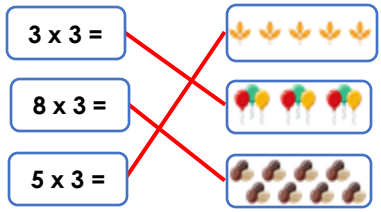
Expected

5b. 3 + 3 + 3 + 3 + 3 + 3 + 3 = 21

6b. False, six groups of three is 18.

7b. 8 lots of 3 = 24

8b.



Greater Depth

9b. 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 27

10b. False, the answer is 27.

11b. 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24; 8 x 3 = 24

12b.