Varied Fluency
Multiply by 3

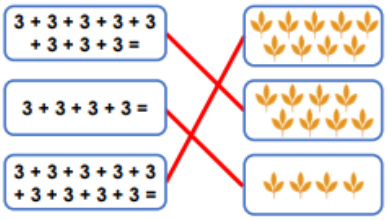
Developing

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

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

3a. 7 lots of 3 = 21

4a.



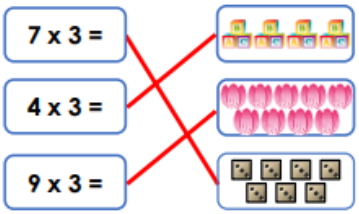
Expected

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

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

7a. 6 lots of 3 = 18

8a.



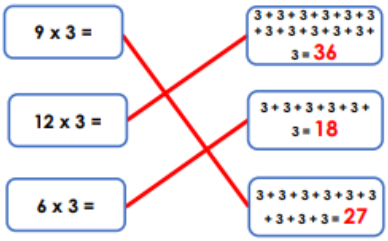
Greater Depth

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

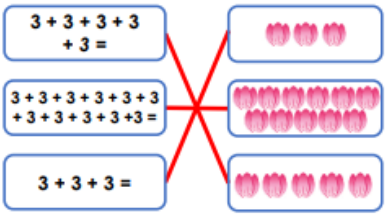
Developing

1b. 3 + 3 + 3 = 9

2b. True

3b. 10 lots of 3 = 30.

4b.



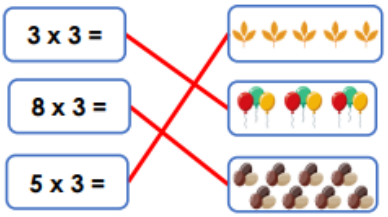
Expected

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

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

7b. 8 lots of 3 = 24

8b.



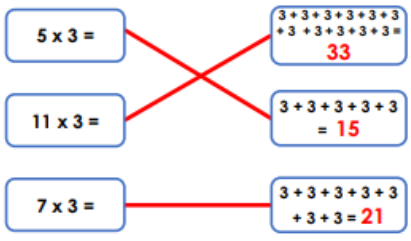
Greater Depth

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 = 24; 8 x 3 = 24

12b.



Varied Fluency
Divide by 3

Developing

1a. 5

2a. False, 24 ÷ 3 = 8

3a. 7

4a. 18 ÷ 3 = 6; 9 ÷ 3 = 3; 6 ÷ 3 = 2

Expected

5a. 8

6a. False, 18 ÷ 3 = 6

7a. 11

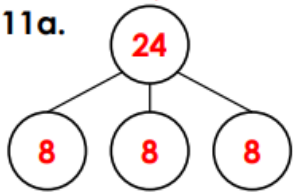
8a. 12 ÷ 3 = 4; 27 ÷ 3 = 9; 36 ÷ 3 =12

Greater Depth

9a. 12

10a. False, 21 ÷ 3 = 7

11a.



12a. 36 ÷ 3 = 12; 18 ÷ 3 = 6; 21 ÷ 3 = 7

Varied Fluency
Divide by 3

Developing

1b. 4

2b. False, 27 ÷ 3 = 9

3b. 5

4b. 24 ÷ 3 = 8; 12 ÷ 3 = 4 3 ÷ 3 = 1

Expected

5b. 6

6b. False; 30 ÷ 3 = 10

7b. 9

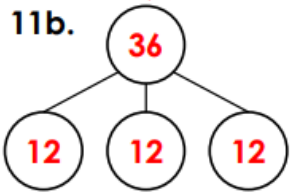
8b. 24 ÷ 3 = 8; 15 ÷ 3 = 5; 33 ÷ 3 = 11

Greater Depth

9b. 9

10b. True, 33 ÷ 3 = 11

11b.



12b. 24 ÷ 3 = 8; 33 ÷ 3 = 11; 27 ÷ 3 = 9