Picture graphs

Name _____ Date _____

Use the key. Half a circle is half the key.

Common Core 3.MD.B.3

Example

Key: each circle = 4. Plums has 3 circles and a half circle.

1. 3 circles: 3 × 4 = 12.
2. Half a circle is half of 4 = 2. 12 + 2 = 14.

Answer: 14

1. Key: each circle = 2.
   7 circles = ☐

2. Key: each circle = 4.
   6 circles = ☐

3. Key: each circle = 10.
   5 circles = ☐

4. Key: each circle = 10.
   4 and a half circles = ☐

5. Key: each circle = 4.
   4 and a half circles = ☐

6. Key: each circle = 10.
   2 and a half circles = ☐

Divide by the key. A half circle shows half the key.

Example

Key: each circle = 10. How many circles show 45?

1. 40 needs 4 circles (4 × 10).
2. 5 more is half of 10, so add half a circle.

Answer: 4 1/2 circles

7. Key: each circle = 4.
   28 = ☐ circles

8. Key: each circle = 10.
   40 = ☐ circles

9. Key: each circle = 2.
   14 = ☐ circles

10. Key: each circle = 4.
    20 = ☐ circles

11. Key: each circle = 2.
    6 = ☐ circles

12. Key: each circle = 5.
    5 = ☐ circles

Free to share with other families. Not for resale.

Tables and lengths

Name _____ Date _____

Work out the brackets first.

Common Core 3.MD.B.3, 3.MD.B.4

Example A 27, B 35, C 41: (A + B) − C

1. Work out the brackets: 27 + 35 = 62.
2. Then 62 − 41 = 21.

Answer: 21

1. A 46, B 61, C 65:
   (A + B) − C = ☐

2. A 52, B 33, C 40:
   (A − B) + C = ☐

3. Red 15, Blue 68, Green 63:
   (total) − Green = ☐

4. Red 61, Blue 49, Green 62:
   (Red + Blue) − Green = ☐

5. Mon 56, Tue 52, Wed 57:
   (Mon − Tue) + Wed = ☐

6. Mon 54, Tue 36, Wed 37:
   (total) − Wed = ☐

Write <, > or = in the box.

Example $1\frac{3}{4}$ in ? $1\frac{1}{2}$ in

1. The whole numbers are the same (1).
2. $\frac{3}{4}$ is more than $\frac{1}{2}$ (half is 2 quarters).

Answer: $1\frac{3}{4} > 1\frac{1}{2}$

7. $\frac{1}{2}$ in ☐ $1\frac{1}{4}$ in

8. $2\frac{1}{2}$ in ☐ $2\frac{1}{2}$ in

9. 2 in ☐ $\frac{3}{4}$ in

10. $1\frac{1}{2}$ in ☐ $1\frac{3}{4}$ in

11. $2\frac{1}{2}$ in ☐ 2 in

12. $1\frac{1}{2}$ in ☐ $\frac{1}{2}$ in

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Answers

Answers are in the same order as the boxes.

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1. 14
2. 24
3. 50
4. 45
5. 18
6. 25
7. 7
8. 4
9. 7
10. 5
11. 3
12. 1

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1. 42
2. 59
3. 83
4. 48
5. 61
6. 90
7. <
8. =
9. >
10. <
11. >
12. >

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