Multiplying and Dividing Negative Numbers

Practice worksheet · KS3

Name: _____ Date: _____

1. –6 × 4

2. 7 × (–3)

3. –9 × 5

4. –4 × (–8)

5. –7 × (–7)

6. –12 × (–3)

7. –24 ÷ 6

8. 40 ÷ (–5)

9. –36 ÷ (–9)

10. –45 ÷ (–5)

11. –8 × 3 ÷ (–4)

12. –2 × (–6) × (–1)

13. –4 × (–2) × (–3)

★ stretch

14. –5 × (–2) × (–2) × (–1)

★ stretch

15. A diver descends 6 metres every minute for 5 minutes. What is her depth, as a negative number? 5 × (–6)

★ stretch

16. A submarine at –60 m rises to the surface in equal 5 m steps. How many steps does it take? –60 ÷ (–5)

★ stretch

Answers

Multiplying and dividing negatives

1. different signs: negative = –24
2. different signs: negative = –21
3. different signs: negative = –45
4. same signs: positive = 32
5. same signs: positive = 49
6. same signs: positive = 36
7. different signs: negative = –4
8. different signs: negative = –8
9. same signs: positive = 4
10. same signs: positive = 9
11. –24 ÷ –4 = 6
12. three minus signs → negative = –12
13. 3 signs, odd → negative; 4×2×3 = –24
14. 4 signs, even → positive; 5×2×2×1 = 20
15. different signs: negative = –30
16. same signs: positive = 12