

# ■ ■ Abrasive Wheels Trainer — Knowledge Check Quiz

15 Multiple Choice Questions | Free Trainer Resource | [trainerresources.com](http://trainerresources.com)

**Instructions:** Circle or tick the correct answer for each question. This quiz covers key knowledge areas for the **Abrasive Wheels Trainer** course. Pass mark: 12/15 (80%). Answers are provided on the final page.

## Q1. What legislation covers abrasive wheels?

- A) PUWER 1998 and Abrasive Wheels Regulations 1970
- B) Health and Safety at Work Act 1974 only
- C) COSHH Regulations 2002
- D) Provision and Use of Work Equipment Regulations 1992

## Q2. What is the maximum speed marked on an abrasive wheel?

- A) The minimum operating speed
- B) The maximum permissible speed — never exceed this
- C) The recommended speed
- D) The average speed

## Q3. What should be checked before mounting an abrasive wheel?

- A) Only the size
- B) Ring test, speed rating, condition, and compatibility with machine
- C) Only the speed rating
- D) Only the size and colour

## Q4. What is the ring test?

- A) A test of the machine speed
- B) Tapping the wheel gently to check for cracks — a clear ring indicates no cracks
- C) A test of the flange size
- D) A test of the guard

## Q5. What is the maximum gap between the work rest and wheel?

- A) 3mm
- B) 6mm
- C) 10mm
- D) 15mm

## Q6. What PPE is required when using abrasive wheels?

- A) Only gloves
- B) Eye protection, face shield, hearing protection, and appropriate clothing
- C) Only a face shield
- D) No PPE required

## Q7. Who can mount an abrasive wheel?

- A) Anyone
- B) Only a trained and appointed person
- C) Only the manufacturer

D) Only a supervisor

**Q8. What is the purpose of the wheel guard?**

- A) Decoration
- B) To contain fragments if the wheel bursts and protect the operator
- C) To reduce noise
- D) To keep the wheel clean

**Q9. What causes wheel burst?**

- A) Using the wheel correctly
- B) Exceeding maximum speed, incorrect mounting, using damaged wheels, or side grinding on straight wheels
- C) Normal wear
- D) Using the correct PPE

**Q10. What is the correct way to store abrasive wheels?**

- A) Stacked on top of each other
- B) Vertically in a dry, temperature-controlled environment, or flat in racks
- C) In a damp area
- D) In direct sunlight

**Q11. What is side grinding?**

- A) Grinding on the flat face of the wheel
- B) Using the side of a straight wheel — prohibited unless the wheel is designed for it
- C) A safe grinding technique
- D) Grinding at an angle

**Q12. What should you do if an abrasive wheel is damaged?**

- A) Continue using it carefully
- B) Remove it from service immediately and replace it
- C) Repair it with adhesive
- D) Reduce the speed

**Q13. What is the purpose of flanges?**

- A) To decorate the wheel
- B) To clamp and support the wheel on the spindle
- C) To increase speed
- D) To reduce vibration only

**Q14. What is the minimum distance for a new wheel to run before use?**

- A) 30 seconds
- B) 1 minute at full speed with guard in place
- C) 5 minutes
- D) 10 minutes

**Q15. What records must be kept for abrasive wheel operations?**

- A) No records required
- B) Training records, inspection records, and details of appointed persons
- C) Only purchase receipts

D) Only accident records

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## **Answer Key**

**Q1: A Q2: B Q3: B Q4: B Q5: A Q6: B Q7: B Q8: B Q9: B Q10: B Q11: B Q12: B Q13: B Q14: B Q15: B**

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